

Form Approved
OMB No. 2010-0019
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90-890000561

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY Comprehensive Assessment Information Rule REPORTING FORM

When completed, send this form to:

Document Processing Center
Office of Toxic Substances, TS-790
U.S. Environmental Protection Agency
401 M Street, SW
Washington, DC 20460
Attention: CAIR Reporting Office

For Agency Use Only:

Date of Receipt:

Document
Control Number:

Docket Number:

PART	A (GENERAL REPORTING INFORMATION
1.01	Th	is Comprehensive Assessment Information Rule (CAIR) Reporting Form has been
<u>CBI</u>	cor	npleted in response to the <u>Federal Register</u> Notice of $[\overline{L}]\overline{2}$ $[\overline{Z}]\overline{2}$ $[\overline{Z}]\overline{2}$ $[\overline{R}]\overline{R}$
[_]	a.	If a Chemical Abstracts Service Number (CAS No.) is provided in the Federal
		Register, list the CAS No [_]2]6]4]7]1]-[6]2]-[5]
	b.	If a chemical substance CAS No. is not provided in the <u>Federal Register</u> , list either (i) the chemical name, (ii) the mixture name, or (iii) the trade name of the chemical substance as provided in the <u>Federal Register</u> .
		(i) Chemical name as listed in the rule N/A
		(ii) Name of mixture as listed in the rule
		(iii) Trade name as listed in the rule
	c.	If a chemical category is provided in the <u>Federal Register</u> , report the name of the category as listed in the rule, the chemical substance CAS No. you are reporting on which falls under the listed category, and the chemical name of the substance you are reporting on which falls under the listed category.
		Name of category as listed in the rule
		CAS No. of chemical substance [_]_]_]_]_]_]_]_]_]_[]_]
		Name of chemical substance
1.02	Ide	entify your reporting status under CAIR by circling the appropriate response(s).
<u>CBI</u>	Mar	ufacturer 1
[_]	Imp	orter 2
	Pro	ocessor3
	X/F	manufacturer reporting for customer who is a processor 4
	X/F	processor reporting for customer who is a processor

1.03	Does the substance you are reporting on have an "x/p" designation associated with it in the above-listed Federal Register Notice?
<u>CBI</u>	Yes
	1
1.04	a. Do you manufacture, import, or process the listed substance and distribute it under a trade name(s) different than that listed in the Federal Register Notice? Circle the appropriate response.
CBI	Yes
·_,	No
	b. Check the appropriate box below: \mathcal{N}/\mathcal{A}
	[] You have chosen to notify your customers of their reporting obligations
	Provide the trade name(s)
	[] You have chosen to report for your customers [] You have submitted the trade name(s) to EPA one day after the effective date of the rule in the Federal Register Notice under which you are reporting.
1.05 <u>CBI</u>	If you buy a trade name product and are reporting because you were notified of your reporting requirements by your trade name supplier, provide that trade name. This is a supplier of the su
	Is the trade name product a mixture? Circle the appropriate response.
	Yes
	No
1.06	Certification The person who is responsible for the completion of this form must sign the certification statement below:
[<u>_</u>]	"I hereby certify that, to the best of my knowledge and belief, all information entered on this form is complete and accurate."
	JAMES H. MORENO TOMES SIGNATURE DATE SIGNED
	PLANT MANAGER (201) 225 - 2440 TITLE TELEPHONE NO.
[_]	Mark (X) this box if you attach a continuation sheet.

Exemptions From Reporting — If you have provided EPA or another Federal agency with the required information on a CAIR Reporting Form for the listed substance within the past 3 years, and this information is current, accurate, and complete for the time period specified in the rule, then sign the certification below. You are required to complete section 1 of this CAIR form and provide any information now required but not previously submitted. Provide a copy of any previous submissions along with your Section 1 submission.				
information which I have not in	cluded in th	is CAIR Reporting Fo	rm has been submitted	
NAME	_N/A_	SIGNATURE	DATE SIGNED	
TITLE	() _	TELEPHONE NO.	DATE OF PREVIOUS SUBMISSION	
certify that the following state those confidentiality claims who "My company has taken measures and it will continue to take the been, reasonably ascertainable lusing legitimate means (other that judicial or quasi-judicial proinformation is not publicly available.	ements truth ich you have to protect t ese measures by other per han discover oceeding) wi ilable elsew	fully and accurately asserted. he confidentiality of the information is sons (other than govey based on a showing thout my company's chere; and disclosure	f the information, not, and has not ernment bodies) by of special need in onsent; the of the information	
	4/1			
NAME	()	SIGNATURE	DATE SIGNED	
	within the past 3 years, and the for the time period specified is are required to complete section now required but not previously submissions along with your Sector of the information which I have not into EPA within the past 3 years period specified in the rule. The section of the rule. The section of the rule of t	within the past 3 years, and this informatifier the time period specified in the rule, are required to complete section 1 of this now required but not previously submitted. submissions along with your Section 1 submitted. submissions along with your Section 1 submitted. Thereby certify that, to the best of my kinformation which I have not included in the to EPA within the past 3 years and is curre period specified in the rule. The second specified in the rule. **NAME** **CBI Certification If you have asserted a certify that the following statements truth those confidentiality claims which you have "My company has taken measures to protect the and it will continue to take these measures been, reasonably ascertainable by other per using legitimate means (other than discover a judicial or quasi-judicial proceeding) with information is not publicly available elsew would cause substantial harm to my company' **NAME** **N	within the past 3 years, and this information is current, accur for the time period specified in the rule, then sign the certif are required to complete section 1 of this CAIR form and provid now required but not previously submitted. Provide a copy of a submissions along with your Section 1 submission. "I hereby certify that, to the best of my knowledge and belief, information which I have not included in this CAIR Reporting Fo to EPA within the past 3 years and is current, accurate, and co period specified in the rule." NAME NAME SIGNATURE TITLE "My company has taken measures to protect the confidentiality o and it will continue to take these measures; the information is been, reasonably ascertainable by other persons (other than gov using legitimate means (other than discovery based on a showing a judicial or quasi-judicial proceeding) without my company's c information is not publicly available elsewhere; and disclosure would cause substantial harm to my company's competitive positi NAME NAME SIGNATURE	

PART	B CORPORATE DATA
1.09	Facility Identification
<u>CBI</u>	Name [<u>E]D]</u> <u>S O N </u>
	(<u>E</u>] <u>D</u>] <u>T]S</u>] <u>D</u>] <u>W</u>]]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
	[N]J] [O]8]8]3]7][]]]] State
	Dun & Bradstreet Number
	EPA ID Number
	Employer ID Number $12[2]19979171317171$
	Primary Standard Industrial Classification (SIC) Code $[3]0]8]6$
	Other SIC Code
	Other SIC Code
1.10	Company Headquarters Identification
CBI	Name $[E]D] \underline{ }SO[N] \underline{ }FO[A]M\underline{ }DPRO[C]ESS[NOG]\underline{ }O[C]O[R]P$
[_]	Address [5]2]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]
	[<u>E]</u>]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]
	[<u>N]</u>]] [<u>0]</u> 8] <u>7</u>][<u>]</u>]]]] State
	Dun & Bradstreet Number
	Employer ID Number
[_]	Mark (X) this box if you attach a continuation sheet.

1.11	Parent Company Identification
<u>CBI</u>	Name [<u>L]E]G]G]E]T] A N D] P L A T T </u>
	[C]A]R]T]H]A]G]E]]]]]]]]]]]]]]]]]]]]]]
	City
	[<u>例]②</u>] [<u>[</u>] <u>[</u>] <u>]</u>][]]]] State
	Dun & Bradstreet Number $\dots [\overline{0}]\overline{0}]-[\overline{7}]\overline{7}]\overline{7}]\overline{7}]-[\overline{0}]\overline{0}]\overline{6}]\overline{7}$
1.12	Technical Contact
<u>CBI</u>	Name $[\underline{J}\underline{A}]\underline{H}\underline{E}\underline{S}\underline{S}\underline{B}\underline{H}\underline{B}\underline{B}\underline{B}\underline{B}\underline{B}\underline{B}\underline{B}\underline{B}\underline{B}B$
[_]	Title [P][]A]N]T] IMIA]NJAIGIEIRI III III III III III III III III II
	Address [5]2]]]]S]U]N]F]]]E]L]D]_]A[V]E]]]]]]]]]]]]]]]]]]]]]]
	[<u>E</u> <u>D</u> <u>T</u> <u>S</u> <u>O</u> <u>W</u> _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
	[<u>제</u>]코] [<u>0</u>]용] <u>용</u>] <u>중</u>][_]_]_]_ State
	Telephone Number[<u>코]፬]기</u> -[<u>코]코</u>]-[<u>코]됏]뎃]፬</u>
1.13	This reporting year is from
[_]	Mark (X) this box if you attach a continuation sheet.

1.14	Facility Acquired If you purchased this facility during the reporting year, provide the following information about the seller:
CRT	Name of Seller []
<u>CBI</u>	· _ · _ · _ · _ · _ · _ · _ · _ · _ · _
[_]	Mailing Address [_]_]_]_]_]_]_]_]_]]]]]]]]]]]]]]]]]]]
	[_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
	[_]_] [_]_]_]_]_]]]_]_]_]_]_] State
	Employer ID Number
	Date of Sale
	Contact Person [_]_]_]_]_]_]_]_]_]_]_]_]_]_]
	Telephone Number[_]_]_]-[_]]_]-[_]]_]-[_]]]]]
1.15	Facility Sold If you sold this facility during the reporting year, provide the following information about the buyer:
<u>CBI</u>	Name of Buyer []]]]]]]]]]]]
[_]	Mailing Address [_]_]_]_]_]_]_]_]_]_]_]]]]]]]]]]]]]]]
	[_1_1_1_1_1_1_1_1_1_1_1_1_1_1_1_1_1_1_1
	[_]_]
	Employer ID Number
	Date of Purchase
	Contact Person [_]_]_]_]_]_]_]_]_]_]_]_]_]_]
	Telephone Number
[]]	Mark (X) this box if you attach a continuation sheet.
· — -	•

	Classification	antity (1.
]	Classification	antity (kg
	Manufactured	_N/A_
	Imported	N/A
	Processed (include quantity repackaged)	189,229
	Of that quantity manufactured or imported, report that quantity:	
	In storage at the beginning of the reporting year	0.0
	For on-site use or processing	0.0
	For direct commercial distribution (including export)	0.0
	In storage at the end of the reporting year	0.0
	Of that quantity processed, report that quantity:	
	In storage at the beginning of the reporting year	12,138
	Processed as a reactant (chemical producer)	
	Processed as a formulation component (mixture producer)	189,229
	Processed as an article component (article producer)	0.0
	Repackaged (including export)	0.0
	In storage at the end of the reporting year	9277

or a co chemica	emponent of a mixture. T	cance on which you are required or	rmation for each comp	onent
[] _{//,}	A Component Name	Supplier Name	Average % Composition by (specify preci e.g., 45% ±	Weight sion,
<u> </u>			Total	100%

2.04	State the quantity of the listed substance that your facility manufactured, imported or processed during the 3 corporate fiscal years preceding the reporting year in descending order.
CBI	
[_]	Year ending
	Quantity manufactured
	Quantity imported
	Quantity processed
	Year ending
	Quantity manufactured
	Quantity imported
	Quantity processed
	Year ending
	Quantity manufactured
	Quantity imported
	Quantity processed
2.05	Specify the manner in which you manufactured the listed substance. Circle all appropriate process types.
CBI	.1/1
[_]	Continuous process
	Semicontinuous process
	Batch process 3
[_]	Mark (X) this box if you attach a continuation sheet.

2.06 CBI	Specify the manner in wappropriate process type		he listed substance.	Circle all			
[_]	Continuous process						
	Semicontinuous process						
				_			
	Batch process						
2.07 CBI	State your facility's name-plate capacity for manufacturing or processing the listed substance. (If you are a batch manufacturer or batch processor, do not answer this question.)						
[-]	NA						
`'	Manufacturing capacity	• • • • • • • • • • • • • • • • • • • •		kg/yr			
	Processing capacity			kg/yr			
2.08 CBI	If you intend to increamanufactured, imported, year, estimate the incr	or processed at any	time after your curr	ent corporate fiscal			
[_]	N/A	Manufacturing Quantity (kg)	Importing Quantity (kg)	Processing Quantity (kg)			
	Amount of increase						
	Amount of decrease						
	W 1 (W) .11 1 15						
(J	Mark (X) this box if yo	u attach a continuat	ion sheet.				

2.09	For the three largest volume manufacturing or processing process types involving the listed substance, specify the number of days you manufactured or processed the listed substance during the reporting year. Also specify the average number of hours per day each process type was operated. (If only one or two operations are involved, list those.)				
<u>CBI</u> [_]			_Days/Year	Average Hours/Day	
	Process Type #1	(The process type involving the largest quantity of the listed substance.)			
		Manufactured	N/A_	N/A	
		Processed	250.	_16	
	Process Type #2	(The process type involving the 2nd largest quantity of the listed substance.)		,	
		Manufactured	_N/A_	NA	
		Processed	N/A_	NA	
	Process Type #3	(The process type involving the 3rd largest quantity of the listed substance.)		,	
		Manufactured	NA	NA	
		Processed	N/A	N/A	
2.10 <u>CBI</u> []	substance that chemical. NA RESPO	um daily inventory and average monthly inventor was stored on-site during the reporting year in ONSE NOT REQUIRED FOR TOIL inventory	the form of	ted a bulk kg	
[_]	Mark (X) this be	ox if you attach a continuation sheet.			

<u>CBI</u>	CAS No.	Chemical Name	Byproduct, Coproduct or Impurity	Concentration (%) (specify ± % precision)	Source of By- products, Co- products, or Impurities
	Use the follo B = Byproduct C = Coproduct I = Impurity		e byproduct, copro	duct, or impurity	7:

<u>CBI</u>	total volume of listed substance quantity of listed substance listed under column b., and the instructions for further	used captively the types of end	on-site as a perce d-users for each pr	entage of the value
	Ma . I	b. of Quantity anufactured, Imported, or Processed	c. % of Quantity Used Captively On-Site	d. Type of End-Users ²
	K	xo%	100%	工
	<pre>1 Use the following codes to d A = Solvent B = Synthetic reactant C = Catalyst/Initiator/Accel</pre>	erator/ Movenger/ estrant Fraser Sier/Antiwear Turk and additives X esignate the ty CS = Consum	L = Moldable/Castab M = Plasticizer N = Dye/Pigment/Col D = Photographic/Re and additives P = Electrodepositi D = Fuel and fuel a R = Explosive chemi S = Fragrance/Flavo T = Pollution contr J = Functional flui M = Metal alloy and M = Rheological mod M = Other (specify) Type of end-users:	cals and additives or chemicals ol chemicals ds and additives additives ifier
	CM = Commercial	H = Other	(specify)	

a.			ictions for further	
	b.	c.	d.	
Product Types ¹	% of Quantity Manufactured, Imported, or Processed	% of Quantity Used Captively On-Site	Type of End-Users ²	
 ¹ Use the following code A = Solvent B = Synthetic reactor		L = Moldable/Castabl	e/Rubber and additive	
<pre>B = Synthetic reactan C = Catalyst/Initiator Sensitizer D = Inhibitor/Stabiliz Antioxidant E = Analytical reagen F = Chelator/Coagulant G = Cleanser/Detergen H = Lubricant/Friction agent I = Surfactant/Emulsis</pre>	r/Accelerator/ zer/Scavenger/ t t/Sequestrant t/Degreaser n modifier/Antiwear	<pre>0 = Photographic/Rep and additives P = Electrodepositio Q = Fuel and fuel ad R = Explosive chemic S = Fragrance/Flavor T = Pollution contro U = Functional fluid V = Metal alloy and</pre>	n/Plating chemicals ditives als and additives chemicals l chemicals s and additives additives	
<pre>J = Flame retardant K = Coating/Binder/Add</pre>	nesive and additives	<pre>W = Rheological modi X = Other (specify)</pre>	fier	
² Use the following codes to designate the type of end-users:				
<pre>I = Industrial CM = Commercial</pre>	CS = Cons H = Othe	umer r (specify)		

"Use the following codes to designate product types: A = Solvent B = Synthetic reactant C = Catalyst/Initiator/Accelerator/ Sensitizer D = Inhibitor/Stabilizer/Scavenger/ Antioxidant E = Analytical reagent N/A N/A L = Moldable/Castable/Rubber and add M = Plasticizer N = Dye/Pigment/Colorant/Ink and add O = Photographic/Reprographic chemic and additives P = Electrodeposition/Plating chemic	a.	b.	c.	d.
Final Product's Physical Form? N/A			Average %	
Product Type¹ Physical Form² in Final Product End-Users MA				
**Juse the following codes to designate product types: A = Solvent	n 1 . m 1			Type of
A = Solvent B = Synthetic reactant C = Catalyst/Initiator/Accelerator/ Sensitizer D = Inhibitor/Stabilizer/Scavenger/ Antioxidant E = Analytical reagent G = Cleanser/Detergent/Degreaser H = Lubricant/Friction modifier/Antiwear I = Surfactant/Emulsifier J = Flame retardant K = Coating/Binder/Adhesive and additives A = Gas B = Liquid C = Aqueous solution D = Paste E = Slurry F = Other (specify) L = Moldable/Castable/Rubber and add M = Plasticizer N = Dye/Pigment/Colorant/Ink and add D = Pate and additives P = Electrodeposition/Plating chemicals Q = Fuel and fuel additives S = Fragrance/Flavor chemicals and additives T = Pollution control chemicals U = Functional fluids and additives V = Metal alloy and additives V = Metal alloy and additives V = Rheological modifier X = Coating/Binder/Adhesive and additives X = Other (specify) 2 Use the following codes to designate the final product's physical form: A = Gas F 2 = Crystalline solid B = Liquid C = Aqueous solution F 4 = Other solid D = Paste G = Gel E = Slurry H = Other (specify) F1 = Powder 3 Use the following codes to designate the type of end-users: I = Industrial CS = Consumer	Product Type	rnysical Form	in Final Product	<u>End-Users</u>
A = Solvent B = Synthetic reactant C = Catalyst/Initiator/Accelerator/ Sensitizer D = Inhibitor/Stabilizer/Scavenger/ Antioxidant E = Analytical reagent G = Cleanser/Detergent/Degreaser H = Lubricant/Friction modifier/Antiwear I = Surfactant/Emulsifier J = Flame retardant K = Coating/Binder/Adhesive and additives A = Gas B = Liquid C = Aqueous solution D = Paste E = Slurry F = Other (specify) L = Moldable/Castable/Rubber and add M = Plasticizer N = Dye/Pigment/Colorant/Ink and add D = Pate and additives P = Electrodeposition/Plating chemicals Q = Fuel and fuel additives S = Fragrance/Flavor chemicals and additives T = Pollution control chemicals U = Functional fluids and additives V = Metal alloy and additives V = Metal alloy and additives V = Rheological modifier X = Coating/Binder/Adhesive and additives X = Other (specify) 2 Use the following codes to designate the final product's physical form: A = Gas F 2 = Crystalline solid B = Liquid C = Aqueous solution F 4 = Other solid D = Paste G = Gel E = Slurry H = Other (specify) F1 = Powder 3 Use the following codes to designate the type of end-users: I = Industrial CS = Consumer	N/A	N/A	N/A	N/A
A = Solvent B = Synthetic reactant C = Catalyst/Initiator/Accelerator/ Sensitizer D = Inhibitor/Stabilizer/Scavenger/ Antioxidant E = Analytical reagent G = Cleanser/Detergent/Degreaser H = Lubricant/Friction modifier/Antiwear I = Surfactant/Emulsifier J = Flame retardant K = Coating/Binder/Adhesive and additives A = Gas B = Liquid C = Aqueous solution D = Paste E = Slurry F = Other (specify) L = Moldable/Castable/Rubber and add M = Plasticizer N = Dye/Pigment/Colorant/Ink and add D = Pate and additives P = Electrodeposition/Plating chemicals Q = Fuel and fuel additives S = Fragrance/Flavor chemicals and additives T = Pollution control chemicals U = Functional fluids and additives V = Metal alloy and additives V = Metal alloy and additives V = Rheological modifier X = Coating/Binder/Adhesive and additives X = Other (specify) 2 Use the following codes to designate the final product's physical form: A = Gas F 2 = Crystalline solid B = Liquid C = Aqueous solution F 4 = Other solid D = Paste G = Gel E = Slurry H = Other (specify) F1 = Powder 3 Use the following codes to designate the type of end-users: I = Industrial CS = Consumer				
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A = Solvent B = Synthetic reactant C = Catalyst/Initiator/Accelerator/ Sensitizer D = Inhibitor/Stabilizer/Scavenger/ Antioxidant E = Analytical reagent G = Cleanser/Detergent/Degreaser H = Lubricant/Friction modifier/Antiwear I = Surfactant/Emulsifier J = Flame retardant K = Coating/Binder/Adhesive and additives A = Gas B = Liquid C = Aqueous solution D = Paste E = Slurry F = Other (specify) L = Moldable/Castable/Rubber and add M = Plasticizer N = Dye/Pigment/Colorant/Ink and add D = Pate and additives P = Electrodeposition/Plating chemicals Q = Fuel and fuel additives S = Fragrance/Flavor chemicals and additives T = Pollution control chemicals U = Functional fluids and additives V = Metal alloy and additives V = Metal alloy and additives V = Rheological modifier X = Coating/Binder/Adhesive and additives X = Other (specify) 2 Use the following codes to designate the final product's physical form: A = Gas F 2 = Crystalline solid B = Liquid C = Aqueous solution F 4 = Other solid D = Paste G = Gel E = Slurry H = Other (specify) F1 = Powder 3 Use the following codes to designate the type of end-users: I = Industrial CS = Consumer	¹ Use the following cod	es to designate pro	oduct types:	
B = Synthetic reactant C = Catalyst/Initiator/Accelerator/ Sensitizer D = Inhibitor/Stabilizer/Scavenger/ Antioxidant E = Analytical reagent C = Cleanser/Detergent/Degreaser H = Lubricant/Friction modifier/Antiwear J = Flame retardant K = Coating/Binder/Adhesive and additives X = Coating/Binder/Adhesive and additives X = Gas B = Liquid B = Liquid C = Aqueous solution D = Paste E = Slurry F = Other solid D = Powder M = Plasticizer N = Dye/Pigment/Colorant/Ink and add O = Photographic/Reprographic chemic and additives and additives O = Fuel and fuel additives R = Explosive chemicals and additives S = Fragrance/Flavor chemicals A = Explosive chemicals and additives T = Pollution control chemicals U = Functional fluids and additives V = Metal alloy and additives V = Rheological modifier X = Other (specify) 2 Use the following codes to designate the final product's physical form: A = Gas F 2 = Crystalline solid B = Liquid F 3 = Granules C = Aqueous solution D = Paste C = Aqueous solution F 4 = Other solid D = Paste E = Slurry H = Other (specify) F1 = Powder 3 Use the following codes to designate the type of end-users: I = Industrial C S = Consumer	J		• •	e/Rubber and add
C = Catalyst/Initiator/Accelerator/ Sensitizer D = Inhibitor/Stabilizer/Scavenger/ Antioxidant E = Analytical reagent G = Chelator/Coagulant/Sequestrant G = Cleanser/Detergent/Degreaser H = Lubricant/Friction modifier/Antiwear J = Flame retardant K = Coating/Binder/Adhesive and additives X = Coating/Binder/Adhesive and additives X = Gas B = Liquid B = Liquid C = Aqueous solution D = Paste E = Slurry F1 = Powder N = Dye/Pigment/Colorant/Ink and add O = Photographic/Reprographic chemic and additives A = Dye/Pigment/Colorant/Ink and add O = Photographic/Reprographic chemic and additives A = Electrodeposition/Plating chemic and additives R = Explosive chemicals and additives R = Explosive chemicals and additives R = Explosive chemicals and additives V = Fragrance/Flavor chemicals V = Fragrance/Flavor chemicals V = Fragrance/Flavor chemicals V = Photographic/Reprographic/Reprographic chemic R = Explosive chemicals A = Explosive chemicals and additives V = Fragrance/Flavor chemicals V = Photographic/Reprographic chemic R = Explosive chemicals A = Explosive chemicals A = Foolution control chemicals V = Fragrance/Flavor chemicals V = Photographic/Reprographic chemicals R = Explosive chemicals A = Explosive chemicals A = Explosive chemicals A = Foolution control chemicals V = Metal alloy and additives V = Metal alloy and additives V = Metal alloy and additives V = Rheological modifier V = Metal alloy and additives V = Rheological modifier V = Other (specify)		t		C/Rubbel and add
Sensitizer D = Inhibitor/Stabilizer/Scavenger/ Antioxidant E = Analytical reagent F = Chelator/Coagulant/Sequestrant G = Cleanser/Detergent/Degreaser H = Lubricant/Friction modifier/Antiwear I = Surfactant/Emulsifier J = Flame retardant K = Coating/Binder/Adhesive and additives X = Gas B = Liquid C = Aqueous solution D = Paste E = Slurry F = Other solid D = Fuel and fuel additives R = Explosive chemicals and additives S = Fragrance/Flavor chemicals R = Explosive chemicals and additives S = Fragrance/Flavor chemicals U = Functional fluids and additives V = Metal alloy and additives V = Rheological modifier X = Other (specify) 2 Use the following codes to designate the final product's physical form: A = Gas F 2 = Crystalline solid B = Liquid C = Aqueous solution F 4 = Other solid D = Paste G = Gel E = Slurry H = Other (specify) F1 = Powder 3 Use the following codes to designate the type of end-users: I = Industrial CS = Consumer				rant/Ink and add
D = Inhibitor/Stabilizer/Scavenger/ Antioxidant E = Analytical reagent F = Chelator/Coagulant/Sequestrant G = Cleanser/Detergent/Degreaser H = Lubricant/Friction modifier/Antiwear I = Surfactant/Emulsifier J = Flame retardant K = Coating/Binder/Adhesive and additives X = Other (specify) 2 Use the following codes to designate the final product's physical form: A = Gas B = Liquid C = Aqueous solution D = Paste E = Slurry F = Other (specify) 3 Use the following codes to designate the type of end-users: I = Industrial C = Consumer And additives P = Electrodeposition/Plating chemics F = Explosive chemicals A = Explosive chemicals A = Explosive chemicals A = Pollution control chemicals V = Functional fluids and additives V = Metal alloy and additives V = Rheological modifier K = Coating/Binder/Adhesive and additives X = Other (specify) B = Crystalline solid F = Crystalline solid F = Other solid D = Paste G = Gel E = Slurry H = Other (specify) F = Powder		17 Mccclclutol7		
Antioxidant E = Analytical reagent F = Chelator/Coagulant/Sequestrant G = Cleanser/Detergent/Degreaser H = Lubricant/Friction modifier/Antiwear I = Surfactant/Emulsifier J = Flame retardant K = Coating/Binder/Adhesive and additives A = Gas B = Liquid C = Aqueous solution D = Paste E = Slurry F1 = Powder P = Electrodeposition/Plating chemicals Q = Fuel and fuel additives R = Explosive chemicals and additives S = Fragrance/Flavor chemicals N = Explosive chemicals and additives S = Fragrance/Flavor chemicals N = Follution control chemicals U = Functional fluids and additives V = Metal alloy and additives V = Rheological modifier W = Rheological modifier K = Coating/Binder/Adhesive and additives X = Other (specify) 2 Use the following codes to designate the final product's physical form: A = Gas F2 = Crystalline solid F3 = Granules C = Aqueous solution F4 = Other solid D = Paste G = Gel E = Slurry H = Other (specify) F1 = Powder 3 Use the following codes to designate the type of end-users: I = Industrial CS = Consumer		zer/Scavenger/		0
E = Analytical reagent F = Chelator/Coagulant/Sequestrant C = Cleanser/Detergent/Degreaser C = Fragrance/Flavor chemicals and additives C = Fullution control chemicals U = Functional fluids and additives V = Metal alloy and additives V = Rheological modifier W = Rheological modifier W = Rheological modifier W = Coating/Binder/Adhesive and additives X = Other (specify) 2 Use the following codes to designate the final product's physical form: A = Gas B = Liquid F = Crystalline solid F = Crystalline solid D = Paste C = Aqueous solution F = Other (specify) F = Other (specify) F = Powder 3 Use the following codes to designate the type of end-users: I = Industrial C = Consumer		201, 000, 000,		n/Plating chemic
F = Chelator/Coagulant/Sequestrant G = Cleanser/Detergent/Degreaser H = Lubricant/Friction modifier/Antiwear agent U = Functional fluids and additives U = Rheological modifier U		t		
G = Cleanser/Detergent/Degreaser H = Lubricant/Friction modifier/Antiwear agent U = Functional fluids and additives U = Functional fluids and additives V = Metal alloy and additives V = Rheological modifier K = Coating/Binder/Adhesive and additives X = Other (specify) 2 Use the following codes to designate the final product's physical form: A = Gas F2 = Crystalline solid B = Liquid F3 = Granules C = Aqueous solution D = Paste G = Gel E = Slurry H = Other (specify) 3 Use the following codes to designate the type of end-users: I = Industrial CS = Consumer				
H = Lubricant/Friction modifier/Antiwear T = Pollution control chemicals agent U = Functional fluids and additives I = Surfactant/Emulsifier V = Metal alloy and additives J = Flame retardant W = Rheological modifier K = Coating/Binder/Adhesive and additives X = Other (specify) 2 Use the following codes to designate the final product's physical form: A = Gas F2 = Crystalline solid B = Liquid F3 = Granules C = Aqueous solution F4 = Other solid D = Paste G = Gel E = Slurry H = Other (specify) F1 = Powder 3 Use the following codes to designate the type of end-users: I = Industrial CS = Consumer				
agent U = Functional fluids and additives I = Surfactant/Emulsifier V = Metal alloy and additives J = Flame retardant W = Rheological modifier K = Coating/Binder/Adhesive and additives X = Other (specify) 2 Use the following codes to designate the final product's physical form: A = Gas F2 = Crystalline solid B = Liquid F3 = Granules C = Aqueous solution F4 = Other solid D = Paste G = Gel E = Slurry H = Other (specify) F1 = Powder 3 Use the following codes to designate the type of end-users: I = Industrial CS = Consumer				
I = Surfactant/Emulsifier J = Flame retardant K = Coating/Binder/Adhesive and additives V = Metal alloy and additives W = Rheological modifier K = Coating/Binder/Adhesive and additives X = Other (specify) 2 Use the following codes to designate the final product's physical form: A = Gas B = Liquid C = Aqueous solution D = Paste G = Gel E = Slurry H = Other solid G = Gel E = Slurry H = Other (specify) F1 = Powder 3 Use the following codes to designate the type of end-users: I = Industrial CS = Consumer				
J = Flame retardant K = Coating/Binder/Adhesive and additives X = Other (specify) 2 Use the following codes to designate the final product's physical form: A = Gas B = Liquid C = Aqueous solution D = Paste E = Slurry F1 = Powder 3 Use the following codes to designate the type of end-users: I = Industrial W = Rheological modifier W = Rheological modifier F2 = Crystalline solid F3 = Granules G = Genules G = Gel H = Other (specify) CS = Consumer		fier		
<pre>K = Coating/Binder/Adhesive and additives X = Other (specify) 2Use the following codes to designate the final product's physical form: A = Gas</pre>				
A = Gas B = Liquid F3 = Granules C = Aqueous solution D = Paste E = Slurry F1 = Powder F2 = Crystalline solid F3 = Granules G = Gel H = Other solid F4 = Other solid F5 = Gel F6 = Gel F7 = Other solid F8 = Granules F9 = Granules F1 = Other solid F1 = Other solid F2 = Crystalline solid F3 = Granules F4 = Other solid F5 = Granules F6 = Gel F7 = Other solid F8 = Granules F1 = Other solid F1 = Other solid F2 = Crystalline solid F3 = Granules F4 = Other solid F3 = Granules F4 = Other solid F5 = Gel F6 = Slurry F1 = Powder F1 = Powder F1 = Industrial F2 = Crystalline solid F3 = Granules F4 = Other solid F5 = Gel F6 = Gel F7 = Other (specify) F1 = Powder		hesive and additive		
B = Liquid F3 = Granules C = Aqueous solution F4 = Other solid D = Paste G = Gel E = Slurry H = Other (specify) F1 = Powder 3 Use the following codes to designate the type of end-users: I = Industrial CS = Consumer	² Use the following cod	es to designate the	e final product's physi	cal form:
B = Liquid F3 = Granules C = Aqueous solution F4 = Other solid D = Paste G = Gel E = Slurry H = Other (specify) F1 = Powder 3 Use the following codes to designate the type of end-users: I = Industrial CS = Consumer	A = Gas	F2 = Cr	ystalline solid	
C = Aqueous solution D = Paste G = Gel E = Slurry H = Other (specify) F1 = Powder 3 Use the following codes to designate the type of end-users: I = Industrial CS = Consumer				
D = Paste E = Slurry H = Other (specify) F1 = Powder 3 Use the following codes to designate the type of end-users: I = Industrial CS = Consumer				
E = Slurry H = Other (specify) F1 = Powder 3 Use the following codes to designate the type of end-users: I = Industrial CS = Consumer	-			
F1 = Powder 3 Use the following codes to designate the type of end-users: I = Industrial CS = Consumer		H = 0t	ner (specify)	
I = Industrial CS = Consumer			· - • · · ·	
	³ Use the following cod	es to designate the	e type of end-users:	
CM = Commercial H = Other (specify)	I = Industrial	CS = Cor	nsumer	
	CM = Commercial	H = Oth	ner (specify)	

2.15 CBI		le all applicable modes of transportation used to deliver bulk shipments of ed substance to off-site customers.	the
[-]	Truck	c N./A	1
		ear	
		e, Vessel	
	•	line	
		2	
	Other	(specify)	6
2.16 CBI	or pr	omer Use Estimate the quantity of the listed substance used by your customers during the reporting year for use under each categories during use listed (i-iv).	
[_]	Categ	gory of End Use N/A	
	i.	Industrial Products	
		Chemical or mixture	kg/yr
		Article	kg/yr
	ii.	Commercial Products	
		Chemical or mixture	kg/yr
		Article	kg/yr
	iii.	Consumer Products	
		Chemical or mixture	kg/yr
		Article	
	iv.	Other	~6, J+
	14.	Distribution (excluding export)	ka/wr
		Export	
		Quantity of substance consumed as reactant	
		Unknown customer uses	kg/yr
[_]	Mark	(X) this box if you attach a continuation sheet.	

	SECTION 3 PROCESSOR RAW MATERIAL IDE	NTIFICATION	
PART	A GENERAL DATA		
3.01 <u>CBI</u> [_]	Specify the quantity purchased and the average price for each major source of supply listed. Product trace. The average price is the market value of the product substance.	des are treated as	purchases.
ι1	Source of Supply	Quantity (kg)	Average Price (\$/kg)
	The listed substance was manufactured on-site.	N/A	N/A
	The listed substance was transferred from a different company site.	N/A	NA
	The listed substance was purchased directly from a manufacturer or importer.	186,368	×2.00
	The listed substance was purchased from a distributor or repackager.	N/A	NA
	The listed substance was purchased from a mixture producer.	N/A	N/A
3.02 CBI	Circle all applicable modes of transportation used to your facility.	deliver the list	ed substance to
[_]	Truck		(1
	Railcar		2
	Barge, Vessel	• • • • • • • • • • • • • • • • • • • •	3
	Pipeline		4
	Plane	• • • • • • • • • • • • • • • • • • • •	5
	Other (specify)	• • • • • • • • • • • • • • • • • • • •	6
[_]	Mark (X) this box if you attach a continuation sheet.		

3.03 CBI	a.	Circle all applicable containers used to transport the listed substance to your facility.
[_]		Bags 1
		Boxes 2
		Free standing tank cylinders 3
		Tank rail cars 4
		Hopper cars 5
		Tank trucks
		Hopper trucks 7
		Drums 8
		Pipeline 9
		Other (specify)10
	b.	If the listed substance is transported in pressurized tank cylinders, tank rail cars, or tank trucks, state the pressure of the tanks.
		Tank cylinders //A mmHg
		Tank rail cars
		Tank trucks mmHg

.04 <u>BI</u>	of the mixture, the na average percent compos	ou obtain the listed substance in the form of a mixture, list the trade name(s) are mixture, the name of its supplier(s) or manufacturer(s), an estimate of the age percent composition by weight of the listed substance in the mixture, and the tof mixture processed during the reporting year.			
	N/A Trade Name	Supplier or Manufacturer	Average % Composition by Weight (specify ± % precision)	Amount Processed (kg/yr)	
		-			
					

3.05 CBI	reporting year in the for	e listed substance used as a mof a class I chemical, class by weight, of the listed subs	ss II chemical, or polymer, and
· <i>·</i>	Class I chemical	Quantity Used (kg/yr) 	% Composition by Weight of Listed Sub- stance in Raw Material (specify ± % precision
	Class II chemical		
	Polymer		

SECTION 4 PHYSICAL/CHEMICAL PROPER	RTIES
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If you are reporting on a mixture as defined in the glossary, reply to questions in Section 4 that are inappropriate to mixtures by stating "NA -- mixture."

For questions 4.06-4.15, if you possess any hazard warning statement, label, MSDS, or other notice that addresses the information requested, you may submit a copy or reasonable facsimile in lieu of answering those questions which it addresses.

4.01 <u>CBI</u>	substance as it is man substance in the final	rity for the three majoufactured, imported, or product form for manufor at the point you beg	processed. Measure acturing activities,	the purity of the at the time you
[_]		Manufacture	Import	Process
	Technical grade #1	% purity	% purity	_/ <u>/00_</u> % purit
	Technical grade #2	% purity	% purity	% purit
	Technical grade #3	% purity	% purity	% purit
4.02	1 Major = Greatest quan Submit your most recen substance, and for eve	tity of listed substance tly updated Material Sa	fety Data Sheet (MSDS ng the listed substan	ted or processed.) for the listed ce. If you posses
4.02	1 Major = Greatest quan Submit your most recen substance, and for ever	tity of listed substanc	fety Data Sheet (MSDS ng the listed substant	ted or processed.) for the listed ce. If you posses arce, submit your
4.02	1 Major = Greatest quan Submit your most recen substance, and for eve an MSDS that you develoresion. Indicate whe appropriate response.	tity of listed substance tly updated Material Sa ry formulation containi oped and an MSDS develo	fety Data Sheet (MSDS ng the listed substant ped by a different so has been submitted by	ted or processed.) for the listed ce. If you posses arce, submit your circling the
4.02	1 Major = Greatest quan Submit your most recen substance, and for eve an MSDS that you devel version. Indicate whe appropriate response. Yes	tity of listed substance tly updated Material Sa ry formulation containi oped and an MSDS develo ther at least one MSDS	fety Data Sheet (MSDS ng the listed substand ped by a different so has been submitted by	ted or processed.) for the listed ce. If you posses arce, submit your circling the
4.02	1 Major = Greatest quan Submit your most recen substance, and for ever an MSDS that you devel version. Indicate whe appropriate response. Yes	tity of listed substance tly updated Material Sa ry formulation containi oped and an MSDS develo ther at least one MSDS	fety Data Sheet (MSDS ng the listed substand ped by a different so has been submitted by	ted or processed.) for the listed ce. If you posses arce, submit your circling the
4.02	1 Major = Greatest quan Submit your most recen substance, and for ever an MSDS that you devel version. Indicate whe appropriate response. Yes	tity of listed substance tly updated Material Sa ry formulation containi oped and an MSDS develo ther at least one MSDS	e manufactured, impor	ted or processed.) for the listed ce. If you posses arce, submit your circling the

4.03	Submit a copy or reasonable facsimile of any hazard information (other than an MSDS) that is provided to your customers/users regarding the listed substance or any formulation containing the listed substance. Indicate whether this information has been submitted by circling the appropriate response.
	Yes 1
	No
	For each activity that uses the listed substance, circle all the applicable number(s)

4.04 For each activity that uses the listed substance, circle all the applicable number(s) corresponding to each physical state of the listed substance during the activity listed. Physical states for importing and processing activities are determined at the time you import or begin to process the listed substance. Physical states for manufacturing, storage, disposal and transport activities are determined using the final state of the product.

	Physical State								
Activity	Solid	Slurry	Liquid	Liquified Gas	Gas				
Manufacture	1	2	3	4	5				
Import	1	2	3	4	5				
Process	1	2	3	4	5				
Store	1	2	3	4	5				
Dispose	1	2	3	4	5				
Transport	1	2	3	4	5				

[_] Mark (X) this box if you attach a continuation sheet.

listed s storage,	listed substance. Measure the physical state and particle sizes for manufacturing storage, disposal and transport activities using the final state of the product.											
Physical State	NA	Manufacture	Import	Process	Store	Dispose	Transpor					
Dust	<1 micron						•					
	1 to <5 microns											
	5 to <10 microns											
Powder	<1 micron			<u>.</u>								
	1 to <5 microns											
	5 to <10 microns											
Fiber	<1 micron											
	1 to <5 microns											
	5 to <10 microns											
Aerosol	<1 micron											
	1 to <5 microns											
	5 to <10 microns											

Ind	licate the rate constants for the following tr	ansformation process	es.
a.	Photolysis: UK		
	Absorption spectrum coefficient (peak)	(1/M cm) a	it ni
	Reaction quantum yield, 6	8	at ni
	Direct photolysis rate constant, $k_{\rm p}$, at	1/hr	lati
b.	Oxidation constants at 25°C: \mathcal{UK}		
	For 10_2 (singlet oxygen), k_{ox}		1.
	For RO ₂ (peroxy radical), k _{ox}		
c.	Five-day biochemical oxygen demand, BOD ₅		
d.	Biotransformation rate constant: \mathcal{UK}		
	For bacterial transformation in water, $k_b \dots$		1
	Specify culture		
e.	Hydrolysis rate constants: \mathcal{UK}		
	For base-promoted process, $k_{_{\rm B}}$		1
	For acid-promoted process, k _A		
	For neutral process, k_{N}		
f.	Chemical reduction rate (specify conditions)		
	Other (such as spontaneous degradation)		

|--|

PART	ВЕ	PARTITION COEFFICIENTS								
5.02	a.	Specify the half-life of the listed substance in the following media.								
		<u>Media</u>			Half-lif	e (specif	y uni	ts)		
		Groundwater UK								
		Atmosphere ${\cal U}{\cal K}$								
		Surface water ${\cal U}{\cal K}$		***		·				
		Soil UK				·····				
	b.	Identify the listed life greater than 24			sformation	products	that	have a half-		
		CAS No.	ľ	Name	Half-l: (specify			Media		
			_		•		in			
							_			
								110 1 27		
5.03	Spe	cify the octanol-wate	r partition	n coefficien	t, K _{ow}	<u>uk</u>		at 25°(
	Met	hod of calculation or	determinat	tion						
5.04	Spe	cify the soil-water p	artition co	pefficient,	К _а	<u>uk</u>		at 25°0		
	Soi	l type	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	•••••					
5.05	Spe coe	cify the organic carbo	on-water pa	artition		иK		at 25°C		
5.06	Spe	cify the Henry's Law	Constant, E	I		UK		atm-m³/mole		
[_]	Mar	k (X) this box if you	attach a c	continuation	sheet.					

Bioconcentration Factor	1111	Species	Test ¹	
<u> </u>	UK	<u>opecies</u>		
	·			
¹ Use the following codes	to designat	e the type of test:		
F = Flowthrough				
S = Static				

6.04 CBI	For each market listed below, state the listed substance sold or transferm	ne quantity sold and the red in bulk during the	ne total sales value of reporting year.	.
[_]	RESPONSE NOT REQUIRED FOR T.DI.	Quantity Sold or Transferred (kg/yr)	Total Sales Value (\$/yr)	
	Retail sales			
	Distribution Wholesalers			
	Distribution Retailers	<u></u>		
	Intra-company transfer			
	Repackagers			
	Mixture producers			
	Article producers			
	Other chemical manufacturers or processors			
	Exporters			
	Other (specify)			
6.05	Substitutes List all known commerci	ally feasible substitu	ites that you know exis	
<u>CBI</u>	for the listed substance and state the feasible substitute is one which is ed in your current operation, and which reperformance in its end uses.	e cost of each substitue conomically and technology	ite. A commercially logically feasible to t	
[_]	Substitute UK		Cost (\$/kg)	
				_
[_]	Mark (X) this box if you attach a cont	inuation sheet.		

	SECTION 7 MANUFACTURING AND PROCESSING INFORMATION
Gener	al Instructions:
provi	questions 7.04-7.06, provide a separate response for each process block flow diagram ded in questions 7.01, 7.02, and 7.03. Identify the process type from which the mation is extracted.
PART	A MANUFACTURING AND PROCESSING PROCESS TYPE DESCRIPTION
7.01 CBI	In accordance with the instructions, provide a process block flow diagram showing the major (greatest volume) process type involving the listed substance.

[X] Mark (X) this box if you attach a continuation sheet.

[__] Process type

	In accordance with the instructions, provide a process block flow diagram showing all process emission streams and emission points that contain the listed substance and which, if combined, would total at least 90 percent of all facility emissions if not treated before emission into the environment. If all such emissions are released from one process type, provide a process block flow diagram using the instructions for question 7.01. If all such emissions are released from more than one process type, provide a process block flow diagram showing each process type as a separate block.
<u>CBI</u>	
[_]	Process type

7.04	process bloc	e typical equipment types for flow diagram(s). If a pocess type, photocopy this	rocess block flow	v diagram is prov	vided for more
<u>CBI</u>	r				
[_]	Process type	REBOND C	CARPET PAD	MANUFACTURI)	VG
	Unit Operation ID Number	Typical Equipment Type	Operating Temperature Range (°C)	Operating Pressure Range (mm Hg)	Vessel Composition
	7.2	TDI TANK	ANBIENT	4760	STEEL
	7.7_	BINDER TANK	AMBIENT	4760	STEEL
	7.8	BLENDER	AMBIENT	2760	STEEL
	7.14	COMPRESSION MOLD	AMBIENT	4760	STEEL
					
			•		

[_]	Mark	(X)	this	box	if	you	attach	а	continuation	sheet.
-----	------	-----	------	-----	----	-----	--------	---	--------------	--------

CDT	question and o	flow diagram is provided for more to complete it separately for each proc	ess type.	, p
CBI	Process type .			
·,	1100005 1,70			
	Process Stream ID Code	Process Stream Description	Physical State ¹	Stream Flow (kg/yr)
	7.3	TDI TANK VENT	<u> </u>	<u>uk</u>
	7.6	PREPOLYMER TANK VENT	_GU	UK
	7.8	PREPOLYHER & FOAM BLENDER	GU	uK
	7.16	STEAM VENT (MAY CONTAIN)	GU	<u>UK</u>
	7.20	TOI FILTER	<u> </u>	186,368
	46444			
	GC = Gas (con GU = Gas (und SO = Solid SY = Sludge of AL = Aqueous OL = Organic	liquid	pressure) nd pressure)	

] Process ty	уре b.	c.	d.	e.	
Process Stream ID Code	Known Compounds ¹	Concen- trations ^{2,3} (% or ppm)	Other Expected Compounds	Estimated Concentration (% or ppm)	
70	POLYOL	<u>100%</u>	N/A	_N/A	
<u>7E</u>	7∆I	99.9%	HYDROLYZABLE CHOLORIDE		
<u>7</u> I	POLYOL, TOI	100%	N/A	N/A	
continued	below				
6 continued	below				

7	.06	(continued)	
	·VU	(continued)	

¹For each additive package introduced into a process stream, specify the compounds that are present in each additive package, and the concentration of each component. Assign an additive package number to each additive package and list this number in column b. (Refer to the instructions for further explanation and an example. Refer to the glossary for the definition of additive package.)

PIGMENT	
1 1914001	0.001
o designate how the concentrat	ion was determined:
	o designate how the concentrat

V = Volume

W = Weight

[] Mark (X) this box if you attach a continuation sheet.

l	which de	scribes th	he trea	tment p	ions, p rocess	orovide a used for	residual residual:	treatment identifi	block fl ed in que	ow diagram stion 7.01
)	Process	type		N/A_						

BI	process type.	type, photo (Refer to th	copy this que	estion and co	low diagram is mplete it sepa r explanation	rately for ea	ch process		
]	· · · · · · · · · · · · · · · · · · ·								
	Stream ID Code	Type of Hazardous Waste	Physical State of Residual ²	Known Compounds ³	Concentra- tions (% or ppm) ^{4,5,6}	Other Expected Compounds	Estimated Concen- trations (% or ppm)		
	•								
	-								
 05	continue	ed below							

8.05 (continued) ¹Use the following codes to designate the type of hazardous waste: I = Ignitable C = Corrosive R = Reactive E = EP toxicT = ToxicH = Acutely hazardous ²Use the following codes to designate the physical state of the residual: GC = Gas (condensible at ambient temperature and pressure) GU = Gas (uncondensible at ambient temperature and pressure) SO = SolidSY = Sludge or slurry AL = Aqueous liquid OL = Organic liquid IL = Immiscible liquid (specify phases, e.g., 90% water, 10% toluene) 8.05 continued below

8.05	(continued)						
	that are present in eac Assign an additive pack column d. (Refer to th	ge introduced into a process st h additive package, and the con- age number to each additive pac e instructions for further expla or the definition of additive pa	centration of each component kage and list this number ir anation and an example.				
	Additive Package Number	Components of Additive Package	Concentrations(% or ppm)				
	1	N/A					
	2						
							
	3						
			<u> </u>				
	4						
	5						
	⁴ Use the following codes to designate how the concentration was determined:						
	A = Analytical result E = Engineering judgement						
8.05	continued below						
[-]	Mark (X) this box if you a	attach a continuation sheet.					

⁵ Use the	⁵ Use the following codes to designate how the concentration was measured:						
V = Volu	<pre>V = Volume W = Weight</pre>						
⁶ Specify	the analytical tes	t methods used and their	detection limits	in the tab			
	Assign a code to e	ach test method used and	fist those codes	in column			
•				Detection			
<u>Code</u>		Method		(± ug/			
_1	N/4						
2	<u> </u>						
3			<u> </u>				
4							
_5				***			
_6							

8.06	diagram process	(s). If a retype, photoe	esidual trea copy this qu	atment block Lestion and c	l in your residual flow diagram is p complete it separa ner explanation an	rovided for mo tely for each	ore than one process
CBI			. /				
[_]	Process	type	<i>N/A</i>				
	a.	b.	c.	d.	e.	f. Costs for	g.
	Stream ID Code	Waste Description Code	Management Method Code ²	Residual Quantities (kg/yr)	Management of Residual (%) On-Site Off-Sit	Off-Site Management	Changes in Management Methods
							
					-		
						_	
							
	_				lesignate the wast lesignate the mana		
[_]	Mark (X) this box if	you attach	ı a continuat	ion sheet.		

(ES <u>H</u>)/(B	NOT REQUIRETS FOR T	のエ Ch	oustion namber nture (°C)	Temp	tion of erature nitor	In Con	ence Time abustion (seconds)
	Incinerator	Primary	Secondary	Primary	Secondary	Primary	Secondary
	1						
	2						
	3						
			of Solid Wast propriate resp		s been submit	ted in lieu	of response
	Yes		• • • • • • • • • • • • • • • • • • • •		• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	1
	No	• • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •		• • • • • • • • • • • • • • • • • • • •		2
8.23 <u>CBI</u> []	Complete the fare used on-sitreatment bloc	te to burn	the residuals ram(s).	identified	t (by capacit in your proc	y) incinerates block or Types Emission	residual of
CBI	are used on-si	te to burn	the residuals gram(s). Air Po	hree larges identified llution Device	t (by capacitin your proc	ess block or Types	residual of s Data
CBI	are used on-si treatment bloc NA Incinerator	te to burn	the residuals gram(s). Air Po	identified	t (by capacit in your proc	ess block or Types Emissior	residual of s Data
CBI	are used on-si treatment bloc NA Incinerator 1 2 3 Indicate	te to burn k flow diag	the residuals gram(s). Air Po	llution Device ¹	in your proc	ess block or Types Emission Avail	residual s of us Data .able
CBI	are used on-si treatment bloc Incinerator 1 2 3 Indicate by circl	te to burn k flow diag if Office ing the app	the residuals ram(s). Air Po Control of Solid Wast	llution Device e survey ha	in your proc	Types Emission Avail	residual s of us Data able of response
CBI	are used on-si treatment bloc NA Incinerator 1 2 3 Indicate by circl Yes No	if Office ing the app	Air Po Control of Solid Wast propriate resp	llution Device e survey ha	s been submit	Types Emission Avail	of response
CBI	are used on-si treatment bloc NA Incinerator 1 2 3 Indicate by circl Yes No	if Office ing the app	Air Po Control of Solid Wast propriate resp	llution Device e survey ha	s been submit	Types Emission Avail	of response

SECTION 9 WORKER EXPOSURE
General Instructions:
Questions 9.03-9.25 apply only to those processes and workers involved in manufacturing processing the listed substance. Do not include workers involved in residual waste treatment unless they are involved in this treatment process on a regular basis (i.e., exclude maintenance workers, construction workers, etc.).

[_] Mark (X) this box if you attach a continuation sheet.

PART A EMPLOYMENT AND POTENTIAL EXPOSURE PROFILE

<u></u>		intained for		Number
Data Element	Hourly <u>Workers</u>	Salaried Workers	Data Collection Began	Years Re Are Main
Date of hire	_X	_X	1976	5 yr
Age at hire	X	X		
Work history of individual before employment at your facility	_X			
Sex	<u> </u>			
Race	X	X		
Job titles				
Start date for each job title		X		
End date for each job title	X			
Work area industrial hygiene monitoring data	NA	N/A	N/A	N/A
Personal employee monitoring data	<u> N/4</u>		1976	
Employee medical history	<u>X</u>			
Employee smoking history	N/A			
Accident history	<u>X</u>			
Retirement date	_X			
Termination date	_X			
Vital status of retirees	N/A			
Cause of death data	NA		V	

]	a.	b.	c.	d.	е.
	Activity	Process Category	Yearly Quantity (kg)	Total Workers	Total Worker-Ho
	Manufacture of the	Enclosed	quantity (kg)	HOLICOLD	<u> </u>
	listed substance	Controlled Release			
		Open			
	On-site use as	Enclosed			
	reactant	Controlled Release	160068	4	8000
		Open	10000		
	On-site use as	Enclosed			
	nonreactant	Controlled Release			
		0pen			
	On-site preparation	Enclosed			
	of products	Controlled Release	160068	4	8000
		0pen			

9.03 CBI	Provide a descripti encompasses workers listed substance.	ve job title for each labor category at your facility that who may potentially come in contact with or be exposed to the
[_]		
	Labor Category	Descriptive Job Title
	A	MAINTENANCE MECHANIC
	В .	BUNHANDLER
	С	BUNHANDLER
	D	
	E	
	F	
	G	
	Н	
	I	
	J	

.04	In accor	dance wi associa	th the insta ted work a	tructions, pro reas.	vide your p	rocess bloc	k flow diagra	m(s) and
<u>BI</u>							,	
	Process	type		REBOND	CARPET	PAD MA	DUFACTURIA	16
				·				

9.05 CBI	may potentially come additional areas not	work area(s) shown in question 9.04 that encompass workers who in contact with or be exposed to the listed substance. Add any shown in the process block flow diagram in question 7.01 or question and complete it separately for each process type.
[_]	Process type	REBOND CARPET PAD MANUFACTURING
	Work Area ID	Description of Work Areas and Worker Activities
	1	MAINTENANCE MECHANIC
	2	MAINTENANCE MECHANIC
	3	
	4	
	5	
	6	
	7	
	8	
	9	
	10	
[_]	Mark (X) this box if y	ou attach a continuation sheet.

<u>CBI</u>	and complete it separately for each process type and work area. Process type REBOND CARPET PAID MANUFACTURING								
	Labor Category	Number of Workers Exposed	Mode of Exposu (e.g., dire skin conta	ert	Physical State of Listed Substance	Average Length of Exposure Per Day ²	Number of Days per Year Exposed		
	MAINT.	5	Breathing		GU	A	250		
	PNL. OPR.		Breathir	í	GU	<u> </u>	250		
	BUN HNOW.		Breathin	1 2g .	GU	<u> </u>	250		
									
				 -	 				
									
				 -					
	¹ Use the foll the point of		to designate the	e physica	al state of	the listed su	bstance at		
		condensible at cature and pre		SY = Sludge or slurry AL = Aqueous liquid					
	temper	incondensible cature and pre	essure;	IL = 1	OL = Organic liquid IL = Immiscible liquid				
	includ SO = Solid	les fumes, vap	pors, etc.)	(specify phases, e.g., 90% water, 10% toluene)					
	² Use the foll	lowing codes (to designate ave	erage le	ngth of expo	osure per day:			
	exceedin	es or less than 15 minut ng 1 hour than one hour		e: E = G:	xceeding 4 h	4 hours, but			

9.07 CBI	Weighted Average (TW	ory represented in question 9.06, A) exposure levels and the 15-min ion and complete it separately fo	ute peak exposure levels.
[_]	Process type	BEBOND CARPET PAT	D MANUFACTURING
	Labor Category	8-hour TWA Exposure Level (ppm, mg/m ³ , other-specify)	15-Minute Peak Exposure Level (ppm, mg/m³, other-specify)
	MAINT. MECH.	<u> </u>	<u> </u>
	PNL. OPER.	U.K.	<u> </u>
	BUN. HNDL.	U.K.	_U.K-
[_]	Mark (X) this box if	you attach a continuation sheet.	

80	If you monitor worke	r exposur	e to the li	sted substa	nce, compl	ete the fo	llowing table
<u>_</u>]	UK Sample/Test	Work Area ID	Testing Frequency (per year)	Number of Samples (per test)	Who Samples ¹	Analyzed In-House (Y/N)	Number of Years Record Maintained
	Personal breathing zone		/	V/A			
	General work area (air)						
	Wipe samples						
	Adhesive patches						
	Blood samples						
	Urine samples						
	Respiratory samples						
	Allergy tests						
	Other (specify)						
	Other (specify)						
	Other (specify)						-
	¹ Use the following c A = Plant industria B = Insurance carri C = OSHA consultant D = Other (specify)	l hygieni er		takes the	monitorin	g samples:	

9.09 CBI	For each sample type identified in question 9.08, describe the type of sampling and analytical methodology used for each type of sample.					
[_]	Sample Type NA		Sampling and Analyt	ical Methodolo	gy	
			and make the set of the second			
9.10	If you conduct persor specify the following				ubstance,	
<u>CBI</u>				Averaging		
[_]	Equipment Type ¹ \mathcal{N}/\mathcal{A}		Manufacturer	Time (hr)	Model Number	
		-				
	¹ Use the following co	des to designate	personal air monite	oring equipmen	t types:	
	A = Passive dosimete B = Detector tube C = Charcoal filtrat D = Other (specify)	r				
	Use the following co	des to designate	ambient air monitor	ring equipment	types:	
	<pre>E = Stationary monit F = Stationary monit G = Stationary monit H = Mobile monitorin I = Other (specify)</pre>	ors located within ors located at pl	in facility lant boundary cify)			
	² Use the following co			its:		
	A = ppm B = Fibers/cubic cen C = Micrograms/cubic	timeter (f/cc) meter (µ/m³)				
[_]	Mark (X) this box if	you attach a cont	inuation sheet.			

<u>BI</u>	Test Description	Frequency (weekly, monthly, yearly, etc.)
	NA	

12 3I	Describe the engineering con to the listed substance. Ph process type and work area.	ntrols that you notocopy this qu	use to reduce o estion and comp	r eliminate wor lete it separat	ker exposure ely for each
<u>'</u> = _]	Process type	REBOND	CARPET P	AD MANUFA	CTURING
	Work area				and a supply of the supply of
	Engineering Controls	Used (Y/N)	Year Installed	Upgraded (Y/N)	Year Upgraded
	Ventilation: Local exhaust General dilution		1972 N/A	N	N/A N/A
	Other (specify)	_/_	NA	NA	<u>N/A</u>
	Vessel emission controls Mechanical loading or packaging equipment	_/\	N/A N/A	<u> N/A</u>	NA
	Other (specify)		,	,	/

 $[\ \]$ Mark (X) this box if you attach a continuation sheet.

c	the percentage reduction in exposure that resulted. Photocomplete it separately for each process type and work area	i.
	Process type NONE	
	Jork area	
	Equipment or Process Modification	Reduction in Worker Exposure Per Year (%
_		
_		
<u></u>		

9.14	in each work area	a in order to reduce or eliminat	ipment that your workers wear or use te their exposure to the listed e it separately for each process type
CBI	and work area.		
[_]	Process type	REBOND CARPET PA	1) MANUFACTURING
	Work area		<u>3</u>
			Wear or Use
		Equipment Types	(Y/N)
		Respirators	4
		Safety goggles/glasses	<u> </u>
		Face shields	<u> </u>
		Coveralls	<u> </u>
		Bib aprons	_N
		Chemical-resistant gloves	
		Other (specify)	

Worl Area 3 3 3 Use A = B = C = D = E = 2 Use QL =	TORGANIC V. FRESH AIR the following cod	irator ype (APOR 'SUPPCY	Average Usage C C	Fit Tested	Type of Fit Test ² AL AL	Frequency of Fit Tests (per year)
Worl Area 3 3 3 Use A = B = C = D = E = 2 Use QL =	k Resp a T; ORGANIC V FRESH AIR the following cod	irator ype (APOR 'SUPPCY	Average Usage C C	Fit Tested	Type of	Frequency of Fit Tests
1 Use A = B = C = D = E = 2 Use QL =	TORGANIC V. FRESH AIR the following cod	ype (APOR SUPPLY	Usage ¹	Tested (Y/N)	Type of Fit Test ² AL AL	Fit Tests
A = B = C = D = E = 2 Use	the following coo	SUPPLY		<u> </u>	QL QL ——	<u>4</u> <u>-</u>
A = B = C = D = E = 2 Use	the following cod			<u> </u>	<u> </u>	<u>-</u>
A = B = C = D = E = 2 Use		des to designate				
A = B = C = D = E = 2 Use		des to designate				
A = B = C = D = E = 2 Use		des to designate				
A = B = C = D = E = 2 Use		des to designate				
	Daily Weekly Monthly Once a year Other (specify) the following cod Qualitative Quantitative				•	

PART	E WORK PRACTICES							
9.19 CBI [_]	eliminate worker exposure to the listed substance (e.g., restrict entrance only to authorized workers, mark areas with warning signs, insure worker detection and monitoring practices, provide worker training programs, etc.). Photocopy this question and complete it separately for each process type and work area.							
	Process type REBOND CARPET PAIS MANUFACTURING							
	Work area	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • •	3				
	Trawing in proper material. Area is	- USE of pro	tective equ	upnent and	handling of			
			d access	s area 1	properly			
	trained personnel	6N14						
9.20	Indicate (X) how often you leaks or spills of the lis separately for each proces Process type REBO Work area	ted substance. s type and work	Photocopy thi area. PAD MANUFA	Squestion an				
	Housekeeping Tasks Sweeping	Less Than Once Per Day	1-2 Times Per Day	3-4 Times Per Day	More Than 4 Times Per Day			
	Vacuuming	NIA						
	Water flushing of floors	NA						
	Other (specify)							
			-					
[_]	Mark (X) this box if you a	ttach a continua	tion sheet.					

9.21	Do you have a written medical action plan for responding to routine or emergency exposure to the listed substance?
	Routine exposure N/A Not regulated for TDI.
	Yes
	No
	Emergency exposure
	Yes
	No
	If yes, where are copies of the plan maintained?
	Routine exposure:
	Emergency exposure:
9.22	Do you have a written leak and spill cleanup plan that addresses the listed substance? Circle the appropriate response.
	Ŷes
	No
	If yes, where are copies of the plan maintained? PLANT MANAGER MAIN OFFICE
	Has this plan been coordinated with state or local government response organizations Circle the appropriate response.
	Yes
	No
9.23	Who is responsible for monitoring worker safety at your facility? Circle the appropriate response. NOT REQUILED FOR TOT
	Plant safety specialist
	Insurance carrier
	OSHA consultant
	Other (specify)
[_]	Mark (X) this box if you attach a continuation sheet.

SECTION 10 ENVIRONMENTAL RELEASE

General Instructions:

Complete Part E (questions 10.23-10.35) for each non-routine release involving the listed substance that occurred during the reporting year. Report on all releases that are equal to or greater than the listed substance's reportable quantity value, RQ, unless the release is federally permitted as defined in 42 U.S.C. 9601, or is specifically excluded under the definition of release as defined in 40 CFR 302.3(22). Reportable quantities are codified in 40 CFR Part 302. If the listed substance is not a hazardous substance under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and, thus, does not have an RQ, then report releases that exceed 2,270 kg. If such a substance however, is designated as a CERCLA hazardous substance, then report those releases that are equal to or greater than the RQ. The facility may have answered these questions or similar questions under the Agency's Accidental Release Information Program and may already have this information readily available. Assign a number to each release and use this number throughout this part to identify the release. Releases over more than a 24-hour period are not single releases, i.e., the release of a chemical substance equal to or greater than an RQ must be reported as a separate release for each 24-hour period the release exceeds the RQ.

For questions 10.25-10.35, answer the questions for each release identified in question 10.23. Photocopy these questions and complete them separately for each release.

10.01	Where is your facility located? Circle all appropriate responses.
<u>CBI</u>	
[_]	Industrial area
	Urban area 2
	Residential area 3
	Agricultural area 4
	Rural area 5
	Adjacent to a park or a recreational area 6
	Within 1 mile of a navigable waterway
	Within 1 mile of a school, university, hospital, or nursing home facility 8
	Within 1 mile of a non-navigable waterway 9
	Other (specify)10

10.02	Specify the exact location of you is located) in terms of latitude (UTM) coordinates.	ur facility (from ce and longitude or Ur	entral point when	re process unit rse Mercader			
	Latitude	• • • • • • • • • • • • • • • • • • • •	<u>40 ° </u>	30 'N'			
	Longitude		74 ° 2.	2 · W			
	UTM coordinates Zone	e, Nort	thing, I	Easting			
10.03	If you monitor meteorological conditions in the vicinity of your facility, provide following information. NOT REQUIRED FOR IDI						
	Average annual precipitation	• • • • • • • • • • • • • • • • • • • •		inches/year			
	Predominant wind direction	•••••					
10.04	NOT REGULED FOR TOI Indicate the depth to groundwater Depth to groundwater	•	•	meters			
10.05 CBI	For each on-site activity listed, indicate (Y/N/NA) all routine releases of the listed substance to the environment. (Refer to the instructions for a definition Y, N, and NA.)						
[_]	On-Site Activity	En Air	vironmental Rele Water	ease Land			
	Manufacturing			NA			
	Importing	•	NIA	′,			
	Processing	N	N/A	N/A			
	Otherwise used	N/A	N/A	NA			
	Product or residual storage	N_	N/A	NA			
	Disposal	N/A	NA	NA			
	Transport	N/A	N/A	NA			

.06	Provide the following information for the listed of precision for each item. (Refer to the instruan example.)			
<u>I</u> -]				
_ '	Quantity discharged to the air	-0-	kg/yr <u>+</u> _	
	Quantity discharged in wastewaters	N/A	kg/yr <u>+</u> _	
	Quantity managed as other waste in on-site treatment, storage, or disposal units	N/A	kg/yr ±	
	Quantity managed as other waste in off-site treatment, storage, or disposal units	N/A	kg/yr <u>+</u> _	

 $[\ \]$ Mark (X) this box if you attach a continuation sheet.

10.08 <u>CBI</u>	Describe the control technologies used to minimize release of the listed substance for each process stream containing the listed substance as identified in your process block or residual treatment block flow diagram(s). Photocopy this question and complete it separately for each process type.							
[_]	Process type	Process type REBOND CARPET PAD MANUFACTURING						
	Stream ID Code	Control Technology	Percent Efficiency					
		NONE USED						
			- AMB					
[_]	Mark (X) this box if y	ou attach a continuation sheet.						

10.09 <u>CBI</u>	Point Source Emissions Identify each emission point source containing the listed substance in terms of a Stream ID Code as identified in your process block or residual treatment block flow diagram(s), and provide a description of each point source. Do not include raw material and product storage vents, or fugitive emission sources (e.g., equipment leaks). Photocopy this question and complete it separately for each process type. Process type MANUFACTURING REBOND CARPET UNDERLAY					
	Point Source ID Code		Description of Emission Point Source			
	7 <i>E</i>		TDI FILTER			
	70		FOAM + PREPOLYMER BLENDER (OPEN)			
	<u>7</u> Q		STEAM VENT			
						

(x)

Ś

pox

you

ø

]	N/A Point Source ID Code	Stack Height(m)	(m)	Exhaust Temperature (°C)	Emission Exit Velocity (m/sec)	Building Height(m)	Building Width(m)	Ven Typ
	_7A	_5	.05	20°C		_5_	100	V

	¹ Height o	f attached	or adjacent	building				
	² Width of	attached o	or adjacent b	ouilding				
	³ Use the	following o	codes to desi	ignate vent	type:			
	<pre>H = Horizontal V = Vertical</pre>							
	v = vert	icai						

 $[\ \]$ Mark (X) this box if you attach a continuation sheet.

10.12	If the listed substance is emitted in particulate form, indicate the particle size distribution for each Point Source ID Code identified in question 10.09. Photocopy this question and complete it separately for each emission point source.						
CBI	N/A						
[_]	Point source ID code						
	Size Range (microns)	Mass Fraction (% \pm % precision)					
	< 1						
	≥ 1 to < 10						
	≥ 10 to < 30						
	≥ 30 to < 50						
	≥ 50 to < 100	And the second s					
	≥ 100 to < 500						
	≥ 500						
	<u>r</u> 300	Total = 100%					
		10tar - 100%					

10.13	Equipment Leaks Complete the following table by providing the number of equitypes listed which are exposed to the listed substance and which are in service according to the specified weight percent of the listed substance passing throuthe component. Do this for each process type identified in your process block residual treatment block flow diagram(s). Do not include equipment types that not exposed to the listed substance. If this is a batch or intermittently oper process, give an overall percentage of time per year that the process type is											
<u>CBI</u>	exposed to the listed subst for each process type.	ance. Photo	copy thi	s questio	n and com	plete it :	separately					
[_]	Process type REBO	Process type REBOND CARPET PAD MANUFACTURING										
	Percentage of time per year type											
						y Weight cess Strea	am					
	Equipment Type	Less than 5%	<u>5-10%</u>	11-25%	26-75%	76-99%	Greater than 99%					
	Pump seals ¹											
	Packed	N/A										
	Mechanical	/										
	Double mechanical ²											
	Compressor seals ¹	NA					<u> </u>					
	Flanges		3		-							
	Valves											
	Gas ³											
	Liquid		3									
	Pressure relief devices ⁴ (Gas or vapor only)											
	Sample connections											
	Gas	NA										
	Liquid	NIA										
	Open-ended lines ⁵ (e.g., purge, vent)	- / -										
	Gas	NA										
	Liquid											
	¹ List the number of pump an compressors	d compressor	seals,	rather tha	an the nur	nber of pu	ımps or					
10.13	continued on next page											

10.13	(continued)							
	² If double mechanical seals are operated with the barrier (B) fluid at a pressure greater than the pump stuffing box pressure and/or equipped with a sensor (S) that will detect failure of the seal system, the barrier fluid system, or both, indicate with a "B" and/or an "S", respectively ³ Conditions existing in the valve during normal operation							
	⁵ Lines closed during norma operations	al operation that wou	ald be used during	maintenance				
10.14 CBI	Pressure Relief Devices wi pressure relief devices ic devices in service are cor enter "None" under column	dentified in 10.13 to atrolled. If a press	indicate which pr	essure relief				
[]	a.	b.	c.	d.				
	Number of Pressure Relief Devices	Percent Chemicalin Vessel	Control Device	Estimated Control Efficiency ²				
		100%	Ruptured Disk	100%				

	Refer to the table in question 10.13 and record the percent range given under the heading entitled "Number of Components in Service by Weight Percent of Listed Substance" (e.g., <5%, 5-10%, 11-25%, etc.)							
	with rupture discs under n	The EPA assigns a control efficiency of 100 percent for equipment leaks controlled with rupture discs under normal operating conditions. The EPA assigns a control efficiency of 98 percent for emissions routed to a flare under normal operating						
[_]	Mark (X) this box if you at	tach a continuation	sheet.					
	-							

CBI	procedures. Photoco		•	•	·	
(1	Equipment Type	Leak Detection Concentration (ppm or mg/m³) Measured at Inches from Source	Detection Device			Repairs Completed (days after initiated)
	Pump seals					
	Packed					
	Mechanical					
	Double mechanical					
	Compressor seals					
	Flanges					
	Valves					
	Gas					
	Liquid					
	Pressure relief devices (gas or vapor only)					
	Sample connections					
	Gas					
	Liquid					
	Open-ended lines					
	Gas					·
	Liquid					
	¹ Use the following co POVA = Portable orga FPM = Fixed point mo O = Other (specify)	nic vapor analyzer onitoring	r	evice:		

Mark (X) this box i	<u>CBI</u> [<u></u>]	Raw Material, Intermediate and Product Storage Emissions Complete the following table by providing the information on each liquid raw material, intermediate, and product storage vessel containing the listed substance as identified in your process block or residual treatment block flow diagram(s). Operat- Vessel Vessel Vessel ing Floating Composition Throughput Filling Filling Inner Vessel Vessel Design Vent Control Basis Vessel Roof of Stored (liters Rate Duration Diameter Height Volume Emission Flow Diameter Efficiency for Type Seals Materials per year) (gpm) (min) (m) (m) (1) Controls Rate (cm) (%) Estimate Height Volume Emission Flow Diameter Efficiency for Control Seals Naterials Per year) (gpm) (min) (m) (m) (l) Controls Rate (cm) (%) Estimate Materials (liters Rate Duration Diameter Height Volume Emission Flow Diameter Efficiency for Control Seals (liters Rate Duration Diameter Height Volume Emission Flow Diameter Efficiency for Control Seals (liters Rate Duration Diameter Height Volume Emission Flow Diameter Efficiency for Control Seals (liters Rate Duration Diameter Height Volume Emission Flow Diameter Efficiency for Control Seals (liters Rate Duration Diameter Height Volume Emission Flow Diameter Efficiency for Control Seals (liters Rate Duration Diameter Height Volume Emission Flow Diameter Efficiency for Control Seals (liters Rate Duration Diameter Height Volume Emission Flow Diameter Efficiency for Control Seals (liters Rate Duration Diameter Height Volume Emission Flow Diameter Efficiency for Control Seals (liters Rate Duration Diameter Height Volume Emission Flow Diameter Efficiency for Control Seals (liters Rate Duration Diameter Height Volume Emission Flow Diameter Efficiency for Control Seals (liters Rate Duration Diameter Height Volume Emission Flow Diameter Efficiency for Control Seals (liters Rate Duration Diameter Height Volume Emission Flow Diameter Emission Flow Diamet
if you attach a continuation sheet.		Use the following codes to designate vessel type: F = Fixed roof CIF = Contact internal floating roof MSI = Mechanical shoe, primary MSI = Shoe-mounted secondary MSI = Sim-mounted secondary MSI = Rim-mounted, secondary MSI = Rim-mounted resilient filled seal, primary P = Pressure vessel (indicate pressure rating) H = Horizontal U = Underground WMI = Vapor mounted resilient filled seal, primary WMI = Vapor mounted secondary WMI = Vapor mounted secondary WMI = Veather shield Indicate weight percent of the listed substance. Include the total volatile organic content in parenthesis Other than floating roofs Gas/vapor flow rate the emission control device was designed to handle (specify flow rate units) Gus entered to designate basis for estimate of control efficiency: C = Calculations S = Sampling

10.23	Indicate the date an was stopped. If the list all releases.		nd time when the ere were more tha	release occurre in six releases,	d and when the rel attach a continua	lease ceased or ition sheet and
	N/A Release		Date Started	Time (am/pm)	Date Stopped	Time (am/pm)
	1					
	2					
	3					
	4					
	5				-	
	6					
10.24 NOT	Release 1 2 3 4 5 6		conditions at th	Humidity (%)	Temperature (°C)	Precipitation (Y/N)

APPENDIX I: List of Continuation Sheets

Attach continuation sheets for sections of this form and optional information after this page. In column 1, clearly identify the continuation sheet by listing the question number to which it relates. In column 2, enter the inclusive page numbers of the continuation sheet for each question number.

		Continuation
		Sheet
	Question Number	Page Numbers
	(1)	(2)
4.02		25
7.01		42
7.03		44
9.04		9/
-		
	,	
····		
	· · · · · · · · · · · · · · · · · · ·	
[<u> </u>] Mark	(X) this box if you attach a continuation sh	eet.

MAX-10-`89 15:26 T-OLIN CORP 271-4351 #311-02



MATERIAL SAFETY DATA

OCEAN® Network
EMERGENCY PHONE 1-800-OLIN-911

SECTION I - IDENTIFICATION

MSDS FILE 563

CHEMICAL NAME & SYNUNYMS Toluene Diisocyanate 80-20				
CHEMICAL FAMILY Isocyanate	FORMULA CgH6N2O2	PRODUCT TDI 80-20		
DESCRIPTION Clear colorles pungant odor	s to pale yellow liquid with sharp	CAS NO. 26471-62-5		

SECTION II - NORMAL HANDLING PROCEDURES

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Do not take internally. Do not get in eyes, on skin or clothing. Upon contact with skin or eyes, wash off with water. Avoid breathing mist or vapor. Protect against physical damage. Store in a cool, dry, well-ventilated place, away from areas where a fire hazard may be acute. Dutsida or detached storage is preferred. Blanket storage tanks with inert gas (nitrogen) or dry air. Separate from exidizing materials.

VENTILATION REQUIREMENTS
As required to keep airborne concentrations below TLV

SECTION III - HAZARDOUS INGREDIENTS

BASIC MATERIAL	OSHA PEL	LD50	LC50	SIGNIFICANT EFFECTS
Toluene-2,4-diisocyanate	0.02 ppm ceiling	5.8 g/kg (rat)	10 ppm/4 hrs (mouse)	Skin, eye, mucous membrane irritation. Pulmonary irritant. Allergic sensitization to skin and respiratory tract. May cause asthma attacks.
Toluene-2,6-diisodyanate	None established	No data	11 ppm/4 hrs-mouse	Irritation

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

LASH POINT 270'F COC	OSHA CLASSIFICATION Not Regulated	FLAMMABLE	LOWER	UPPER
ETHOD	(Ignitable)	EXPLOSIVE LIMIT	0.9%	9.5%
ontainers cool.	carbon gloxide or dry chemical. Use water			
SECTAL ETER MAZARD & FIRE	FIGHTING PROCEDURES Water spray should be se unignited vapors. Use NIOSH/MSHA appro	used to coo) fire 6	xposed

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE O.005 ppm TWA. O.02 ppm STEL - 2,4 TDI (ACGIH 1986-87)
SYMPTOMS OF OVER EXPOSURE May cause irritation to eyes, throat, lungs, stomach, skin. Allergic
sensitization to skin and respiratory tract. May cause asthma attacks
EMERGENCY FIRST-AID PROCEDURES
(IN Immediately flush thoroughly with water for 15 minutes, call a physician,
EYES Immediately flush thoroughly with water for 15 minutes, call a physician.
INGESTION Immediately drink water to dilute.

SECTION VI - TOXICOLOGY (PRODUCT)

ACUTE DRAL LD 50 5.8 g/kg (rats) ACUTE DERMAL LD 50 > 2 g/kg (rabbits) ACUTE INHALATION LC 50 10 ppm/4 hrs (mouse) CARCINOGENICITY Dral Exposure-Positive NTP Bioasse MUTAGENICITY Not known to be mutagenic EYE IRRITATION Irritation and/or burns PRIMARY SKIN IRRITATION Irritation and/or burns

PRINCIPAL ROUTES OF ABSORPTION

Inhalation, dermal

EFFECTS OF ACUTE EXPOSURE May cause irritation to lungs, eyes, throat, stomach, skin. Allergic sensitization of skin and respiratory tract. Corneal injury may occur.

EFFECTS OF CHRONIC EXPOSURE Damage/allergic sensitization to lungs. Inhalation studies indicate not carcinogenic. Carcinogenic risk from industrial use is not significant.

SECTION VII - SPILL AND LEAKAGE PROCEDURES (CONTROL PROCEDURES)

ACTION FOR MATERIAL RELEASE OR SPILL

wear NIOSH/MSHA approved positive pressure supplied air respirator. Follow DSHA regulations for respirator use (see 29 CFR 1910.134). Wear goggles, coveralls and impervious gloves and boots. Add dry non-combustible absorbent, sweep up material and place in an approved DOT container. Add an equal amount of neutralizing solution to the container (90-95% water, 5-10% ammonia). Clean remaining surfaces with neutralizing solution and add this to container. Isolate container in a well-ventilated place and do not seal for 24 hrs. Ammonia vapors may be generated until solution is neutralized. Wash all contaminated clothing before reuse. In the event of a large spill use the telephone number shown on the front of this sheet.

TRANSPORTATION EMERGENCY, CONTACT CHEMTREC 800-424-9300

WASTE DISPOSAL METHOD

Dispose of contaminated product, empty containers and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate Federal, State and local regulatory agencies to ascertain proper disposal procedures.

SECTION VIII - SHIPPING DATA

D.O.T. Toluene dissocyanate Poison B UN 2078

SECTION IX - REACTIVITY DATA

STABLE X UNSTABLE AT C F HAZARDOUS MAY OCCUR X
POLYMERIZATION WILL NOT OCCUR

Water or incompatible materials in a closed system, excess heat
INCOMPATIBILITY (MATERIAL TO AVOID)

Acids, bases and alcohols, surface active materials MAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide, nitrogen oxides, hydrogen cyanide

SECTION X - PHYSICAL DATA

MELTING POINT 53-56 F	VAPOR PRESSURE .01mmHg, 20°C	VOLATILES No data
BOILING POINT 484 F	SOLUBILITY IN WATER Insoluble	EVAPORATION RATE No data
SPECIFIC GRAVITY(H20=1) 1.22	PH No data	VAPOR DENSITY(AIR=1)6.0

INFORMATION: FURNISHED TO

FURNISHED BY DATE JUNE 19, 1987

Department of Environmental Hyglene and Toxicology (203) 789-5436



120 Long Ridge Road, Stamford, Connecticut 06904
OCEAN® Network
EMERGENCY PHONE 1-800-0LIN-911

Material Salety Data Sheet

Required under USDL Safety and Health Regulations for Shipyard Employment (29 CFR 1915)

U.S. Department of Labor

Occupational Salety and Health Administration



OMB No 1218-0074

White the second				Expa	ration Dal	e 05/31/86
					y** ·	•
		•				
Section (Emergen	cy Teleph	one Number
Manufacturer's Name	(201)	C41 0020				
Crest-Foam Corp.	(201) Chemical Name	641-9030				
Address (Number, Street, City, State, and ZIP Code)	and Synonyms	Modified ·	, Folione	a-diiene	vanate	.
100 Carol Place	Trade Name	MULLIEU	والطلايب		y	
	and Synonyms	Crestpol				
Moonachie, N. J. 07074	Cnemical	CICSCPOI	For	mula		
	Family	isocyanat	2	NA	4.	
	<u> </u>	TOOMATION	<u> </u>			
Section II - Hazardous Ingredients						
Hazardous Mixtures of Other Liquids, Solids or Gases	•				%_	TLV (Units)
(III)					K 20	0.02 PPM
toluene-diisocyanate (TDI)						
					80	0.02 PP
TDI partially reacted with polyol					1	
			-			L
Section III - Physical Data	Specific Gravi	ty (H ₂ O=1)				
Boiling Point of F			2	50c		.075
for TDT	Percent Volati	le by Volume (%)				
Vapor Pressure (mm Hg) for TDI 0.025 at 25 ^o c						·
Vapor Density (AIR=1)	Evaporation R					
TDI 6.0		=1)				
Solubility in Water						
reacts with water						
Appearance and Odor						
viscous colorless liquid, sharp pungent	odor					
Section IV - Fire and Explosion Hazard Data					Ue!	
Flash Point (Method Used)	Flammable Lin	nits	{'	_el		NT 173
267°F ASTM D-56 tag closed cup				N.E.		N.E.
Extinguishing Media			•			•
Water fog, CO2, dry chemical		·				
			_			c
	TDI and nit	rogen dioxi	ide var	ors, we	ar sel	<u>f-</u>
Special Fire Fighting Procedures In fighting TDI fires, protect against			de var	ors, we	ar sel	<u>f-</u>
In fighting TDI fires, protect against contained breathing apparatus and full			de var	ors, we	ar sel	<u>f-</u>
Special Fire Fighting Procedures In fighting TDI fires, protect against contained breathing apparatus and full	portective (clothing.				
Special Fire Fighting Procedures In fighting TDI fires, protect against contained breathing apparatus and full	portective (clothing.				
In fighting TDI fires, protect against contained breathing apparatus and full	portective (clothing.				
In fighting TDI fires, protect against contained breathing apparatus and full Unusual Fire and Explosion Hazards Avoid water contamination in closed con	portective (clothing.				
In fighting TDI fires, protect against contained breathing apparatus and full Unusual Fire and Explosion Hazards Avoid water contamination in closed con	portective o	clothing.		. co ₂ , ev		
Special Fire Fighting Procedures In fighting TDI fires, protect against contained breathing apparatus and full Unusual Fire and Explosion Mazards Avoid water contamination in closed con Section V · Meelth Hazard Data LOSG ORAL HNGES (ON) LDSG DERMAL (S	portective of tainers or o	clothing.	DACES,	. co ₂ , ev		
Special Fire Fighting Procedures In fighting TDI fires, protect against contained breathing apparatus and full Unusual Fire and Explosion Hazards Avoid water contamination in closed con Section V. Health Hazard Data LDSG DERMAL IN GESS DON) 25q/kg	portective of tainers or o	clothing.	DACES,	(LCS0) N. E.	olved.	
Special Fire Fighting Procedures In fighting TDI fires, protect against contained breathing apparatus and full Unusual Fire and Explosion Mazards Avoid water contamination in closed con Section V · Mealth Hazard Data LD50 ORAL HNGES (ON) 25g/kg FISH LCS2 (LETMAL CONCENTRATION) TLV (UNITS) (TR	portective of tainers or the contact of the contact	clothing.	DACES,	(LCS0) N. E.	olved.	
Special Fire Fighting Procedures In fighting TDI fires, protect against contained breathing apparatus and full Unusual Fire and Explosion Mazards Avoid water contamination in closed con Section V - Mealth Hazard Data LOSO ORAL INGESTION) D5g/kg FISH LOSS (LETHAL CONCENTRATION) TLV (UNITS) (TR (0.14 mg	portective of the portective of the portective of the portection o	confined sponsors	INHALATION SKIN IRRITA TEGNES UNDER	(LCSO) N.E. THON Irriis, swell prolonge	olved.	an cause blister tact
In fighting TDI fires, protect against contained breathing apparatus and full Unusual Fire and Explosion Hazards Avoid water contamination in closed con Section V. Health Hazard Data LOSO ORAL (INGESTION)	portective of tainers or the contact of the contact	confined sponsor of the confin	INHALATION SKIN IRRITA TEGNES UNDER	(LCSO) N.E. THON Irri s, swel prolong prolong prolong prolong prolong	olved.	an cause blister tact

EMERGENCY AND FIRST AID PROCEDURES, EFFECTS OF OVER EXPOSURE Overexposure: Exposures cause irritation of respiratory tract (dry throat, cough; shortness of breath, chest tightness) resulting in sinusitis, bronchitis and asthma-like Cause sensitization in some individuals resulting in asthma-like symptoms on subsequent exposures below TLV. First Aid: Eyes-Promptly flush eyes with water for 15 min. and get medical attention; Skin-Wash with water and tincture of green soap. severe exposure, get under safety shower, remove clothing, get medical attention; Inhalation-Remove to uncontaminated area, administer oxygen if needed; Ingestion-Drink large amounts of water to reduce corrosivity and get medical help.

Section VI - Re	activity Data	
Stability	Unstable	Conditions to Avoid
		Avoid contact with moisture and other materials
	Stable	
	x	which react with isocyanates.
Incompalability (Materials to Avoidi	
	Water, alo	cohols, strong bases, carboxylic acids, metal compounds
Hazardous Deco	imposition Products	
Oxide	s of nitroge	en, carbon monoxide, traces of hydrogen cyanide
Hazardous	May Occur	Conditions to Avoid
Polymerization	x	Avoid heating over 200°F
	Will Not Occur	·
•		

Section VII - Spill or Leak Procedures STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED COVER the Spill with saw-dust, vermiculite, Fuller's earth or other absorbent materials; pour liquid decontaminant over spillage; Allow to react at least 10 min. Collect material in open containers; Add further amounts of decontamination solution. Remove containers to safe place; Cover loosely. Wash down

area with liquid decontaminant. Decontamination solutions: Solution of surfactant (Tergitol-20% & Water-80% or solution of ammonium hydroxide-4-8%, water-90-94% & detergent-2%).

WASTE DISPOSAL METHOD

Waste material can be incinerated or disposed of in accordance with RCRA. TDI is listed as a hazardous waste (No. U-223) under Section 261.33 (f) of RCRA. Keep waste polyol and waste isocyanate separated. Do not dispose of in sewer system.

Section VIII - Special Protection Information

BESPIRATOR TYPE Use respirator that is approved or recommended for use in isocyanate containing Consider the type of application, the environments (air purifying or fresh air supplied). environment and airborne concentrations to ensure proper selection of appropriate respirator. GLOVES EYE PROTECTION Plastic or rubber safety gloves Goggles or full face shield Local exhaust ventilation is required to maintain air concentrations If material is spray-applied, ventilation should be provided and a respirbelow TLV. Safety showers and eye-wash stations should be available. Educate and train employees in safe use of product.

Section IX - Special Precautions

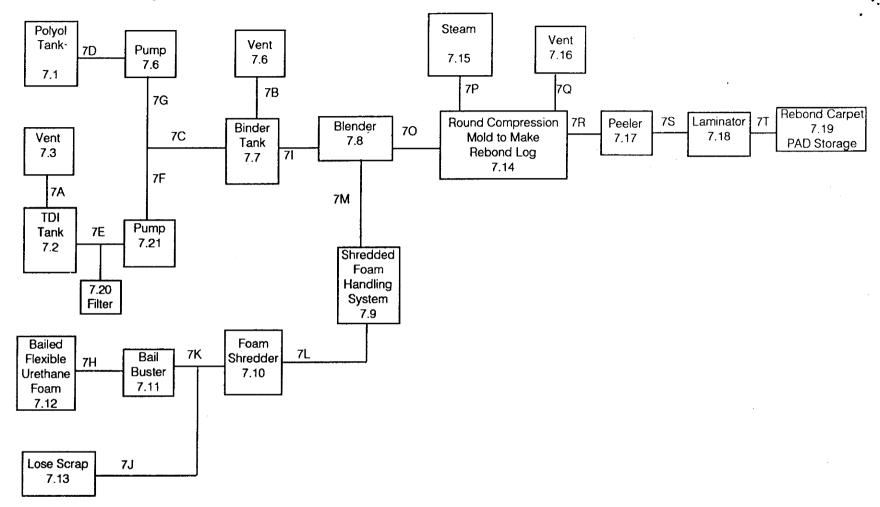
AVERAGE SHELF LIFE STORAGE TEMPERATURE (OPTIMUM) 3 months 86°F (30°C) 77°F (25°C) SPECIAL SENSITIVITY (HEAT, LIGHT, MOISTURE) Storage in tightly closed containers to protect from moisture. PHECAUTIONS TO BE TAKEN IN HANDLING AND STORING

This product reacts with water and other substances to provide carbon dioxide gas which can cause sealed containers to expand, and possibly rupture. Containers should not be resealed if contamination is suspected.

7.01 PROCESSOR

Process Type: Rebond Carpet PAD Manufacturing Process

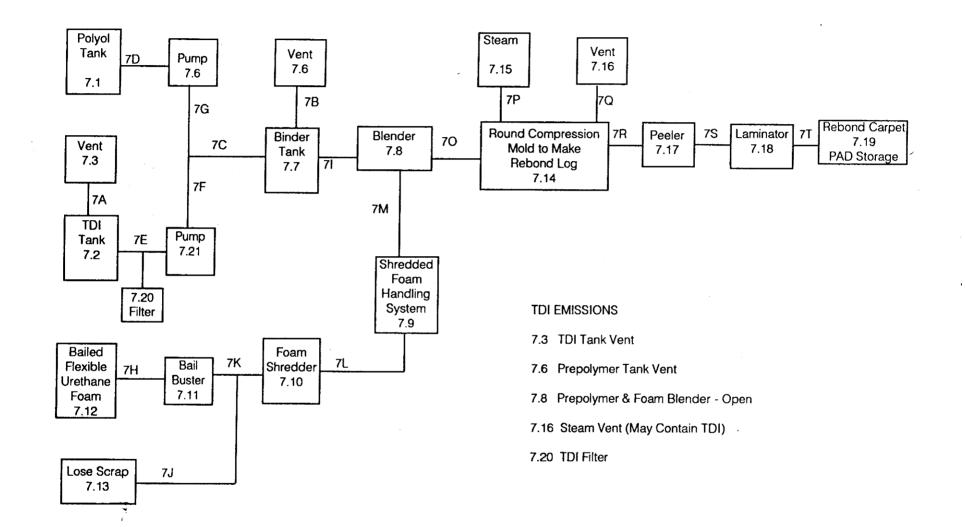
Intermediates: Prepolymer Containing TDI Used to Glue Scrap Foam into Rebond Log



7.03 EMISSIONS

Process Type: Rebond Foam Carpet PAD Manufacturing Process

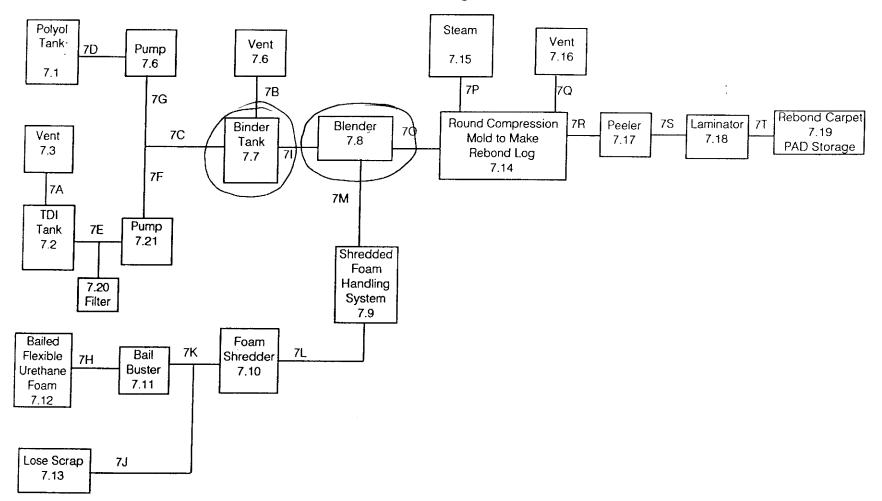
Intermediates: Prepolymer Containing TDI Used to Glue Scrap Foam into Rebond Log



7.01 PROCESSOR

Process Type: Rebond Carpet PAD Manufacturing Process

Intermediates: Prepolymer Containing TDI Used to Glue Scrap Foam into Rebond Log



APPENDIX II: Substantiation Form and Instructions to Accompany Claims of Confidentiality Under the Comprehensive Assessment Information Rule (CAIR)

If you assert one or more claims of confidentiality for information submitted on a Comprehensive Assessment Information Rule (CAIR) form, please answer, pursuant to 40 CFR 740.219, all the following questions in the space provided. Type all responses. If you need more space to answer a particular question, please use additional sheets. If you use additional sheets, be sure to include the section, number, and (if applicable) subpart of the question being answered, and write your facility's name and Dun & Bradstreet Number in the lower right-hand corner of each sheet. A completed copy of this form must accompany all submissions containing one or more claims of confidentiality. Failure to do so will result in the waiver of your claim of confidentiality.

EPA has identified six information categories as those which encompass all claims of confidentiality. These are: Submitter identity (h); Substance identity (i); Volume manufactured, imported, or processed (j); Use information (k); Process information (l); and Other information (m). Respondents who assert a CBI claim on the reporting form must mark the letter(s) (h through m) that represent(s) the appropriate category(ies) of confidentiality in the box adjacent to the question, and answer the questions in this form.

Respondents who assert a CBI claim for information submitted under CAIR must also provide EPA with sanitized and unsanitized versions of their submissions. The unsanitized version must be complete and contain all information being claimed as confidential. The sanitized copy must contain only information not claimed as confidential. EPA will place the second copy of the submission in the public file. Failure to submit the second copy of the form at the time the respondent submits the reporting form containing confidential information or after receipt of a notice from EPA thereafter will result in a waiver of the respondent's claim of confidentiality.

Please indicate the CAS Registry Number (if known) or chemical name (if the CAS Registry Number is not known) for the substance that is the subject of this form:

If you are reporting on a tradename, please provide the tradename for the substance that is the subject of this form:

Does this form contain CBI? [] Yes [] No

If the answer to this question is yes, you must bracket the text claimed as CBI. Any unbracketed information may be placed in the public file.

[_] Mark (X) this box if you attach a continuation sheet.

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[_] Mark (X) this box if you attach a continuation sheet.
If so, indicate why the information should nonetheless be considered confidential.
[] Yes [] No
Does it appear or is it referred to in professional or trade publications?
[] Yes [] No
advertising, promotional, or safety materials for the substance or an end-product containing the substance?
(4) Does the information you are claiming as confidential appear or is it referred to in
(3) Briefly describe the physical and procedural restrictions, if any, within your company on the use and storage of the information you are claiming as confidential. What other steps have you taken to prevent the undesired disclosure of the information by others?
If so, what, if any, restrictions apply to the use or further disclosure of the information?
[] Yes [] No
(2) Has the information that you are claiming as confidential been or will it be disclosed to individuals outside your company?
protection are required for different categories of information, please so indicate.
(1) For what period do you assert a claim of confidentiality? If a claim is to extend until a certain event or point in time, please indicate that event or time period. If the period indicated is longer than 2 calendar years, explain why. If different periods of
A. All Claims. Respondents who assert any CBI claims must answer the following questions in addition to the appropriate questions from sections B through G, below:

(5) If the information you wish to claim as confidential were to be disclosed to the public by EPA, how much difficulty would a new competitor have in entering the market for this substance, considering such constraints as capital and marketing costs, specialized marketing expertise, or unusual production processes?
(6) Has EPA, another Federal agency, or a Federal Court made any pertinent confidentiality determinations for information regarding this substance?
[] Yes
If so, please identify the entity and provide EPA with copies of such determinations.
B. <u>Submitter Identity</u> (code h). Respondents who assert CBI claims for submitter identity must also answer the following questions:
(1) Approximately how many competitors do you have in the market for this substance or the final product containing this substance?
(2) What harm, if any, would result from EPA's disclosure of the submitter identity? Provide detailed descriptions of both the probable harm from disclosure and the causal relationship between disclosure and harm.
(3) If you have also asserted a claim of confidentiality for substance identity, what harm to your company's competitive position would result from disclosure of your company's identity if the substance identity were to remain confidential?
[] Mark (X) this box if you attach a continuation sheet.
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confi Chemi	ident ical	ance Identity (code i). Specific substance identity can be claimed as ial only if that substance identity is confidential for purposes of the TSCA Substance Inventory. Respondents who assert CBI claims for substance identity answer the following questions:
(1)	(a)	Has the substance been patented or disclosed in a patent in the U.S. or elsewhere?
		[] Yes
		If so, indicate the relevant patent(s) and the reasons why the substance identity should nonetheless be considered confidential.
		Patent Number:
	(b)	Exactly what information which does not appear in the patent would be disclosed to competitors by releasing the specific substance identity? Explain in detail how competitors could use this information.
	(c)	Since the patent provides protection for the substance, why are you asserting confidentiality?
(2)	(a)	In what form (i.e., product, effluent, emission, etc.) does this substance leave your site?
	(b)	What measures have you taken to guard against the discovery of the substance identity by others?
 [_]	Mark	(X) this box if you attach a continuation sheet.

	(c)	If the substance is formulated with other chemicals, list them, and state the concentration of the claimed substance in the mixture.
(3)	(a)	If the substance leaves the site in a product that is available to the public or your competitors, can the substance be identified by analysis of the product?
		[] Yes [] No
	(b)	Is it likely that a competitor has attempted or will attempt to chemically analyze the substance?
		[] Yes
	(c)	Would the cost and difficulty of such analysis be great or small? Why?
iden	tity?	harm, if any, would result from EPA's public disclosure of the specific chemical Provide detailed descriptions of both the probable harm to your company from e and the causal relationship between release and harm.
(5) the u	Woul use o	d public disclosure of the specific chemical identity reveal to your competitors f the substance or the process by which this substance is manufactured?
[_]	Marl	x (X) this box if you attach a continuation sheet.
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D. Volume Manufactured, Imported, or Processed (code j). Respondents who assert CBI
claims for volume manufactured, imported, or processed must also answer the following questions:
40001000
(1) If you have also claimed submitter's name as confidential and EPA keeps confidential
the link between your company identity and the volume manufactured, imported, or processed,
your identity will not be associated in any way with that volume. In this case, what harm
to your company's competitive position would result from disclosing that volume? How could
a competitor use this information? What is the causal relationship between the disclosure

and the harm?

- (2) If you have also claimed substance identity as confidential and EPA keeps confidential the link between the substance identity and the volume manufactured, imported, or processed, the substance identity will not be associated in any way with that volume. In this case, what harm to your company's competitive position would result from disclosing that volume? How could a competitor use that information? What is the causal relationship between the disclosure and the harm?
- (3) If you have claimed neither submitter nor substance identity as confidential, what harm, if any, would result from release of your volume manufactured, imported, or processed? Provide a detailed description of both the harm and the causal relationship between disclosure and harm.
- E. Use Information (code k). Respondents who assert CBI claims for use information must also answer the following questions:
- (1) If you have also claimed submitter identity as confidential and EPA keeps confidential the link between your company identity and the use data, your identity will not be associated in any way with the use data. In this case, what harm to your competitive position would result from disclosing the use data? How could a competitor use this information? What is the causal relationship between the disclosure and the harm?

	Mark	(X)	this	box	if	you	attach	а	continuation sheet.	
--	------	-----	------	-----	----	-----	--------	---	---------------------	--

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[_] Mark (X) this box if you attach a continuation sheet.
the link between the substance identity and the process information, the substance identity will not be associated in any way with the process information. In this case, what harm to your company's competitive position would result from disclosing the process information? How could a competitor use this information? What is the causal relationship between the disclosure and the harm?
(2) If you have also claimed substance identity as confidential and EPA keeps confidential
(1) If you have also claimed submitter identity as confidential and EPA keeps confidential the link between your company identity and process information, your identity will not be associated in any way with this information. In this case, what harm to your competitive position would result from disclosing the process information? How could a competitor use this information? What is the causal relationship between the disclosure and the harm?
F. <u>Process information</u> (code 1). Respondents who assert CBI claims for process information must also answer the following questions:
description of both the harm and the causal relationship between disclosure and harm.
(3) If you have claimed neither submitter nor substance identity as confidential, what harm, if any, would result from release of your use information? Provide a detailed
competitive position would result from disclosing the use data? How could a competitor use this information? What is the causal relationship between the disclosure and the harm?
(2) If you have also claimed substance identity as confidential and EPA keeps confidential the link between the substance identity and the use data, the substance identity will not be associated in any way with the use data. In this case, what harm to your company's

(3) If you claimed neither submitter nor substance identity as confidential, what harm, if any, would result from release of your process information? Provide a detailed description of both the harm and the causal relationship between the disclosure and the harm.
G. Other information (code m). Respondents who assert CBI claims using the "other information" category, must also answer the following questions:
(1) Is the item confidential in and of itself, or is it confidential because it will reveal some other confidential information, whether or not that other information is reported on this form? If the latter, what is the information that will be revealed, and how would disclosure of the item in turn lead to disclosure of the other information?
(2) Describe with specificity the harm to your company's competitive position which would result from disclosing the information.
(3) If you have also claimed submitter identity as confidential and EPA keeps confidential the link between your company identity and this information, your identity will not be associated in any way with the item claimed. In this case, what harm to your competitive position would result from disclosing the item? How could a competitor use this information? What is the causal relationship between the disclosure and the harm?
(4) If you have also claimed substance identity as confidential and EPA keeps confidential the link between the substance identity and the item, the substance identity (other than category name) will not be associated in any way with the item claimed. In this case, what harm to your company's competitive position would result from disclosing the item? How could a competitor use this information? What is the causal relationship between the disclosure and the harm?
[] Mark (X) this box if you attach a continuation sheet.
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()	TELEPHONE NO.